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AUTUMN  
CATALOG

1912

"DIAMOND  
QUALITY"

FRUIT

SHADE AND  
ORNAMENTAL

TREES

ROSES

BULBS

AND

PLANTS

NARCISSUS  
(LEEDSII TYPE)

GIANT  
DARWIN TULIPS  
CLARA BUTT, LIGHT PINK

ARENTE ARENDESE  
MOST BEAUTIFUL  
WHITE HYACINTH

PORTLAND SEED CO.

PORTLAND, OREGON

# New Books

Interesting and Valuable Reference Works by Famous, Practical Men.

Orchardists, Nurserymen, Florists, Gardeners and amateur growers will find a reliable text book to be their best guide, and greatest aid to success.

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## Bees In Orchards Are An Imperative Necessity

They insure proper pollination, which improves the quality, increases the yield and size, and gives fewer culls. Bees require very little attention, are easily handled, their honey paying a handsome profit.

OUR CATALOG of everything necessary for profitable Bee Keeping with valuable information on care and handling, sent free on request.

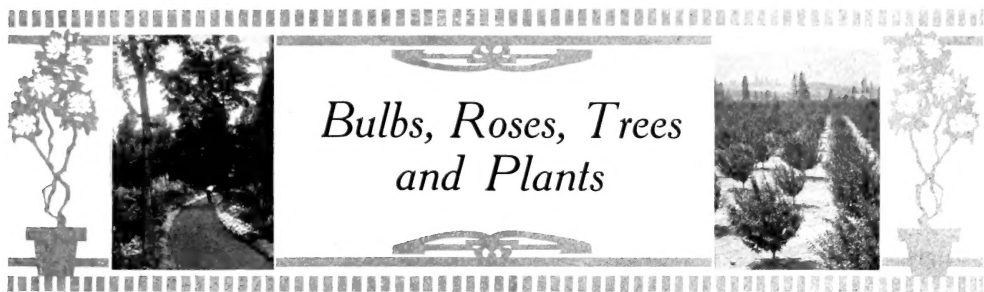
### GUARANTEE OF GENUINENESS

While we exercise the greatest care to have all our stocks true to name, and hold ourselves in readiness on proper proof to replace all trees, etc., that may prove untrue to label free of charge, or refund the amount paid, it is mutually understood and agreed to between the purchaser and ourselves, that our guarantee of genuineness shall in no case make us liable for any sum greater than that originally received for said trees, etc., that may prove untrue.



# AUTUMN CATALOG

Fall 1912 — Spring 1913



**I**N THIS CATALOG we offer a complete and carefully selected assortment of Bulbs, Roses and Nursery Stocks from which selections can be made that will be suitable for every planting requirement.

OUR OREGON GROWN NURSERY STOCKS are strong, vigorous Trees and Plants—the best the world produces—carefully selected, true to name, guaranteed free from disease and pests, and, in strict compliance with our State Horticultural Laws, are always inspected before shipping.

WE ARE DIRECT IMPORTERS of Holland, French and Japanese Bulbs, Irish, English and European Roses, all of which are especially grown to our order by the most famous and reliable producers. These trade connections and the magnitude of our business enables us to give our customers advantages in quality, variety of assortment and of values that are not obtainable elsewhere.

TELL US YOUR PLANTING PLANS—our experience may prove helpful in directing you to the most satisfactory and profitable varieties to grow and to the best methods of production. We know what is best for either temporary or permanent effects and can help you to avoid much unnecessary expense. We want you to take advantage of this service and your enquiries or orders will have our best attention.

**PORTLAND SEED COMPANY.**



## IMPORTANT--PLEASE READ CAREFULLY

**When To Order.**—We issue this Catalogue in September, but customers can order at any time and goods will go forward in season, as follows:

**Flowering Bulbs.**—We are direct importers from Holland, France, Bermuda and Japan; stocks begin to arrive in August, most deliveries being complete by December 1st, except such bulbs as Cannas, Dahlias, Gladioli, Tuberous Begonias, etc., which are not ready until after February 1st.

Orders should be placed early in the fall as late plantings do not give best results, but stock can be supplied up to March 1st. If you are not ready to plant bulbs when received, put them away in a cool, dry place and they will keep for weeks.

See Cultural Directions under the different headings for best time to plant.

**Roses**—We are headquarters for Roses and guarantee all varieties true to name. In our list will be found the recent introductions of the world's great rose specialists, if there is a novelty of real merit we can supply it. Our large two-year old field grown roses are ready for delivery from October until June, one-year old mailing size from January to August. The earlier you set them out the better they will grow.

**Palms, House Plants, Etc.**—Our importations of these arrive from December to May. During these months we have large and complete stocks, but we can generally furnish nice plants during the whole year. Palms and plants should be potted as soon as possible after arrival and watered well for a day or two so as to settle the earth around all the little fibrous roots.

**Fruit, Shade and Ornamental Trees and Shrubs.**—We ship these from October until June and recommend fall and early spring planting. Late plantings are successful if you water freely. If you do not want to plant on arrival, dig a trench and "heel" your trees in. If the ground is frozen, put them in a cellar and keep the roots damp.

**Complaints or Praises.**—If your goods and treatment please you, tell others; if anything is wrong, tell us quickly, so that we can make it right. Our best efforts will be given to filling all orders in a satisfactory manner.

Order early—it helps us to please you.

**We never Substitute** without permission from our customer. But as many items are sold out as the season advances, when requested, we will substitute varieties of equal merit maturing about the same season. **But always labeled true to name.**

**MAIL and EXPRESS CHARGES on BULBS** Only Flowering Bulbs are Prepaid at Catalog Prices  
All other items F. O. B. Portland unless otherwise stated

**SEND MONEY** by postoffice or express money order, bank draft or registered letter.  
**DO NOT SEND PERSONAL CHECKS** as your order may be delayed by their collection.

**NOTE—WE CANNOT SEND GOODS C. O. D.—CASH MUST ACCOMPANY ALL ORDERS.**

# Bulb Planting Tables

## Number of Bulbs Required for Planting Different Sized Beds of Tulips or Hyacinths.

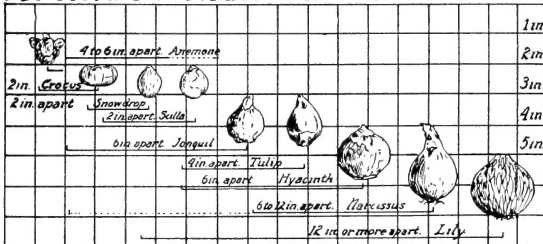
Everyone can afford a bed of flowering bulbs. They bloom so early, make such handsome and showy displays, and require so little care that their general use is increasing each year. The best effect in bulb beds is obtained by planting to solid colors, but if variety is wanted we would not advise you to select over two or three colors. Too many colors spoil the whole effect. A very satisfactory way is to plant a solid center with one or two of the outer rows of another color; a pleasing effect is obtained by dividing the bed into four sections, planting each in a separate color. As the circular bed is the most popular and satisfactory, we use it as a basis to figure on. If you want a square or oblong bed the cultural directions of the different bulbs will give you the distance bulbs should be planted apart.

In ordering bulbs for the mixed beds and for the number contained in the two outer rows of different sized beds, refer to table below.

Diameter of Bed	Total No. of Bulbs Required		[No. of Bulbs Required for Two Outer Circles Only.	
	Tulips	Hyacinths	Tulips	Hyacinths
3 feet.....	64.....	36.....	50.....	31.....
4 feet.....	113.....	50.....	68.....	45.....
5 feet.....	177.....	80.....	87.....	57.....
6 feet.....	254.....	120.....	104.....	69.....
7 feet.....	346.....	160.....	122.....	82.....
8 feet.....	452.....	210.....	140.....	95.....
9 feet.....	573.....	270.....	160.....	110.....
10 feet.....	707.....	330.....	180.....	120.....

**NOTE**—Plant the Tulips four inches apart in the rows and the rows four inches apart. Hyacinths six inches apart and the rows six inches apart. Narcissi same as Hyacinths. For Crocus, Snowdrops, etc., double the number of Tulips. See chart below.

### DEPTH AND DISTANCE FOR OUTDOOR PLANTING



## HYACINTH GLASSES

These are for Growing  
HYACINTHS AND NARCISSUS

In water, see page 3

High or Low, Each, 20c; doz. \$2.00

The sooner Hyacinths and Daffodils are planted the better they will grow and force.

## Suggestions for Tulip Beds

No. 1—Circular Bed of Vermillion Brilliant with edging of two rows of Chrysolora, yellow.....

No. 2—Round Bed in four sections, first quarter Cottage Maid, pink; second, Chrysolora, yellow; third, Artus, scarlet fourth, La Reine, white. This arrangement is effective with two colors, red and white being best.

No. 3—A Circular Bed of pleasing variety is made with Kaiserskroon scarlet edged gold, in center, Belle Alliance scarlet, next, then La Reine white, and on outside rows Chrysolora yellow.

No. 4—Bed in Three Sections or three rows of color; Crimson King, scarlet; Rose Grisdelin, pink; L'Immaculee, white.

No. 5—Bed in Three Sections or Rows; Joost van Vondel, cherry red with white stripe; Rose Grisdelin, pink; Yellow Prince, bright yellow.

No. 6—Double Tulips—Rubra Maxima, scarlet and La Candeur, white, give a fine showing, holding their form and lasting well.

No. 7—Single May Flowering—White Swan, Gesneriana Spathulata, rich crimson, and Bouton d'Or, pure deep yellow, can be used in pleasing combination. They are tall growers (18 inches) and the best of their colors.

Solid Beds of Murillo, early double light pink, or Rose Grisdelin, early single delicate pink, are very attractive.

Plant a shallow rooting annual in your Tulip bed, and you will not have a bare spot when the bulbs are gone. It also keeps the weeds down. Forgetmenots, Petunias, Pinks, Poppies, Verbenas, Candytuft, are a few of the best. Low growing perennials are also good, as they need not be disturbed. It is best not to lift Tulips each year. Leave them in the ground. They bloom better.

**FLORISTS, GARDENERS and LARGE BUYERS of BULBS, should submit their Lists for Special Prices on the Number of Bulbs they Use. We can save You Money and Our "Diamond Quality" Bulbs will Give You Satisfaction**

# HYACINTHS

**F**OR centuries Hyacinths have been favorites with flowerlovers the world over, the wonderful beauty of their dainty waxlike flowers, their rare fragrance and easy culture endear them to every grower.

The newer sorts have massive spikes of bloom of the most delicate and beautiful shades, from pure white through blush to pink, rose, and deepest red, from dainty porcelain to shades of blue and blueblack, and from cream to yellow apricot and orange.

Grown in the open ground or in pots and glasses indoors, their magnificent spikes of bloom are a never ending delight and the admiration of all who see them.

Hyacinths are of the easiest culture—blooming through a long season and can be brought on from early winter until late spring.

Named varieties, marked ‘XX’ and ‘X,’ produce the finest trusses of blooms, and should always be selected for specimens in pots or glasses. The cheaper grades are usually used for bedding, garden borders, or for forcing for winter cut flowers.

## Culture of Hyacinths

**OUTDOOR CULTURE.**—The preferable season is October, November and December, but bulbs will give good results if planted somewhat later. Plant so that the tops of the bulbs will be from two to three inches below the surface and five to eight inches apart. In preparing the bed, see that it is well drained, so that the bulbs will not rot during our long wet winters. After flowering, if the beds are wanted for late spring planting take up the bulbs, tops and roots, and ‘heel in’ in some corner of the garden until the bulbs mature, after which they should be spread out in an airy room to dry, and kept in a cool, dark place until time for replanting the following autumn.

**CULTURE IN GLASSES.**—When it is desired to grow Hyacinths or Narcissus in water, they should be placed so that the base of the bulb merely touches the water. The glass should then be set in a cool, dark place, until filled with roots, when they may be brought into the light. Fill the glasses with fresh water every few days. Give as much fresh air as possible without letting the plants stand in a draught, and as nearly as possible at a temperature of 60 degrees until the spikes are developed.

**INDOOR CULTURE IN POTS.**—Bulbs for winter blooming can be planted from September until December—the earlier the better. Plant one bulb to a four-inch, or three to a six-inch pot. Then place in a cool, dark cellar, watering well. The whole success of pot culture depends on getting the roots well established in the pots, at a low temperature of, say, 40 to 50 degrees, before you begin to force the tops. From four to six weeks is not too long to leave them in a dark, cool place. After this the bloom is easily developed by giving light, heat and water, and one can have a supply of flowers from Christmas until Easter by regulating the time of bringing them to light.

### SELECTED FRENCH

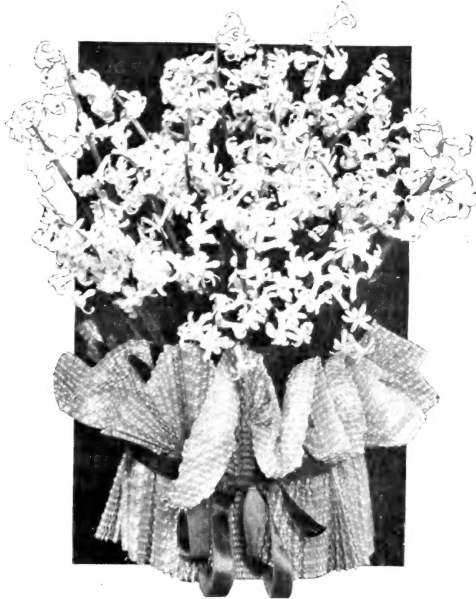
## Roman Hyacinths WHITE PINK and BLUE

A charming class of Hyacinths, extensively grown by florists for winter flowering. Each produces several very graceful flower spikes. The delicious perfume, earliness and profusion of bloom have made Roman Hyacinths exceedingly popular. They are so easily grown and so early that if potted early they can be brought into flower in November and December, and a succession can be had in bloom throughout the winter and early spring.

The best effect is produced by planting four to twelve bulbs in the shallow bulb pots. They may also be planted outdoors.

For cutting purposes the Roman Hyacinth is the finest bulb grown and is most valuable for early planting in the house. Be sure to state whether you want White, Pink or Blue. White ‘Romans’ are the best bloomers.

**First size, select bulbs, 7c; dozen, 75c; 100, \$5.00.**



Roman Hyacinths

**ITALIAN WHITE HYACINTHS.**—For early forcing in pots or boxes. The Italian ‘Redsk n’ hite Hyacinth is a little later than the French Roman but has a larger spike of bloom. The color is white with a very light blush suffusion. Plant same as Roman Hyacinths.

**First size bulbs, each, 5c; dozen, 50c; 100, \$4.00**

## NARCISSUS

Paper white Grandiflora—should be planted at the same time as the Roman Hyacinths. They are beautiful, deliciously fragrant and will produce the earliest winter flowers indoors. **See page 11.**

**HYACINTHS--"Diamond Quality" Top Root Bulbs**

**Our "XX" Grade.**—For those of our customers who want to produce Hyacinths of the grandest size and finest quality, we recommend our "XX" grade. These are extra choice, large, round, solid bulbs, selected especially for our best trade by our Holland growers. They will produce those handsome, mammoth flowers so highly prized, and are excellent for forcing and pot culture.

**Our "X" Grade.**—This grade is usually bought, and we sell more of this price and size bulb than any other. Our "X" grade is equal, if not superior, to the "First" or "Select Grade" offered by many seed stores.

**Prices Postpaid. Special prices by the hundred. State varieties preferred.**

XX Grade....Each....\$0.15 ; doz.... \$1.50      X Grade....Each.... .12½; doz.... 1.25

**Single Pure White**

**Arentine Arendse**—Grand pure waxy white flower, with large spike and bells. A rare beauty, see front cover.

**Blancheur d'Merveille**—Pure white, large, good form, extra fine.

**British Queen**—Pure white, very fine for early forcing, large compact spikes, very desirable.

**Baroness Van Thuill.**—Large, pure white, handsome, compact spikes, very early, grows well in glasses.

**La Grandesse.**—Extra fine snow white, large spikes of fine formed bells, a grand exhibition variety, having no equal among the single whites.

**L'Innocence.**—One of the earliest; pure white; fine for forcing.

**Madam van der Hoop.**—Pure white. We believe this is the best white for general planting; flowers large and handsome; erect habit; very popular.

**Single Blush White**

**Grand Blanche**—A fine blush white, flowers large and of excellent quality.

**Grandeur a Merveille.**—Lovely blush white, the best of its color; very large spikes. Very popular.

**Mr. Plimsoll**—Extra fine, blush white, large flower and bells.

**Single Red and Pink.**

**Baron Van Thuyll**—Fine pink, large spikes, early; forces easily.

**Cavaignac**—Large Salmon Pink, forces well, a good keeper, extra fine for exhibition.

**Charles Dickens**—This is decidedly one of the finest pinks; spikes large; easy to force.

**General Pelissier**—Brilliant carmine, compact spike; an early forcer. One of the best.

**Gertrude**—Fine rosy pink; excellent sort for forcing or bedding. Flowers large.

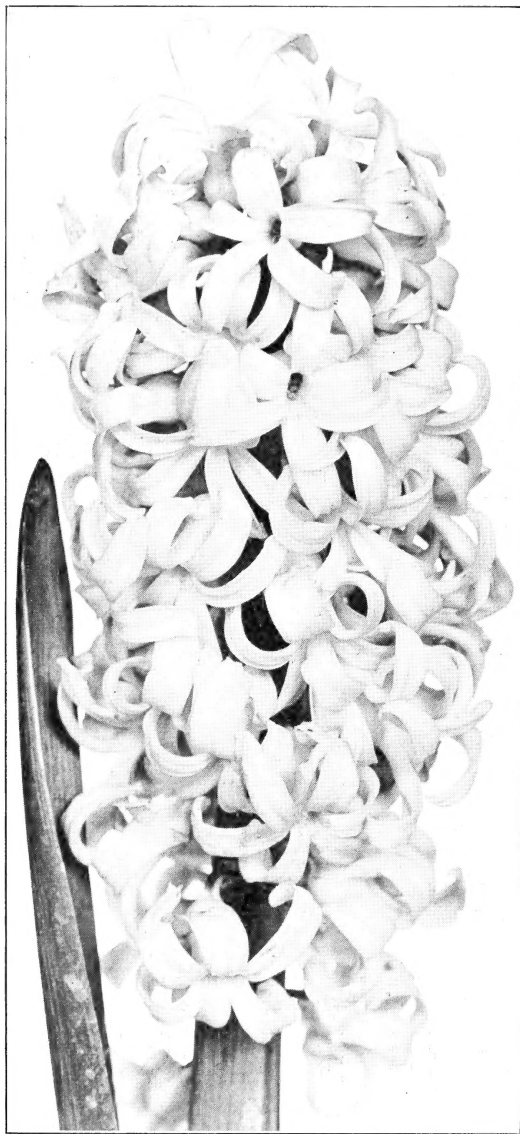
**Gigantea**—Fine blush pink; giant, compact spike; a popular sort among gardeners.

**King of Belgium**—Fine deep scarlet; compact truss. Excellent bedder.

**Lady Derby**—(New)—Lovely light rose pink, large spike.

**Moreno**—Extra fine pink, very large spikes and bells; forces easily. Highly recommended.

**Norma**—Pale, waxy pink, handsome, large and good forcer. Extensively planted.



Single Hyacinth

**Single Yellow**

**Ball of Gold**—Large compact spike, golden yellow, best of its color.

**Ida**—Best pure yellow, for early forcing, fine large spike.

**King of Yellows**—Fine, bright golden yellow.

**low, grand spikes, a superior bedding variety.**

**MacMahon**—Rich yellow, large spike. Excellent flower, forces early.

**Yellow Hammer**—Golden yellow, extra fine flower, forces easily; exhibition variety.

**SELECT SINGLE NAMED HYACINTHS—Continued****Single Blue**

**Grand Lilas**—Extra fine porcelain blue, grand large spikes and bells; forces easily. The finest light blue.

**Johan**—Fine light blue, extra large, splendid bedder.

**King of Blues**—Deep glossy blue, large compact spikes. The finest dark blue Hyacinth in cultivation.

**Enchantress**—Clear pale blue; one of the finest exhibition varieties.

**Lord Derby**—Pearl blue, very large handsome spike, good for glass, very desirable sort.

**Grand Maitre**—Deep porcelain blue; spikes large and handsome.

**Queen of the Blues**—A beautiful light blue with silvery sheen; a large, handsome flower, a favorite with florists.

**Select Double Named Hyacinths**

While the flowers of Double Hyacinths are large and beautiful, the spikes are not generally so full of bells as those of the single sorts.

All First Size, Large, Solid, Select Bulbs  
Price, each 15c; dozen, \$1.50

**Double Red**

**Bouquet Royal**—Salmon pink, red center; very choice.

**Noble par merite**—Deep red, fine large spike; early; fine forcer.

**Lohengrin**—Fine bright pink.

**Lord Wellington**—Large spike and flower; best of the double pinks.

**Double Blue**

**Bloksberg**—Light blue, marbled.

**Charles Dickens**—Dark porcelain blue, extra fine spike and bells.

**Garrick**—Deep azure blue, very large spike.

**Van Speyk**—Beautiful shade of lilac, large compact truss.

**Double White**

**Bouquet Royal**—Pure white, large spike, very fine.

**La Tour d'Auvergne**—Earliest pure white; a grand flower.

**Isabella**—Fine blush white; grand spike; excellent.

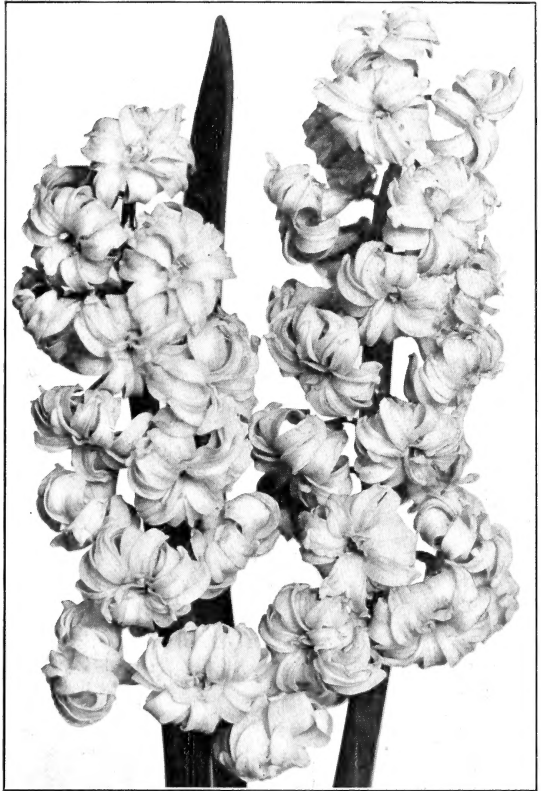
**La Grandesse**—Magnificent pure white sport of the single La Grandesse.

**Double Yellow**

**Goethe**—Light yellow, large spike, one of the best double yellow Hyacinths.

**William III**—Rich orange yellow, good bloomer, one of the very best yellows.

**Sun Flower**—Fine pure yellow, best of its color



Double Hyacinth

“DIAMOND  
QUALITY”

**Bedding Hyacinths--ASSORTED COLORS**

A superior grade of large size, selected bulbs, generally used for planting outdoors in making up beds, borders or large displays, but are equally good for forcing. They are low in price but of superior quality and will all produce fine spikes of bloom. These Hyacinths are not to be classed with the cheap grade of bulbs usually sold as “mixed” Hyacinths.

**SINGLE**

Pink, Red, White, Pure White **Each, 7c; doz. 75c.**

Blush White, Light Blue, Dark Blue, Yellow.

**Each, 7c; doz. 75c.**

er 03

**\$4.25**

**DOUBLE**

Pink, red, white, pure white. **Each, 7c; doz., 75c**

Light Blue, Pink, Yellow, Pure White,

**Each, 7c; doz. 75c.**

**Per 100, any color except Pure White**

**\$4.25**

Pure White,

**4.75**

For May Flowering or  
Cottage Tulips, see page 8

# TULIPS

## Selected Large Solid Bulbs

**W**HETHER planted in masses or small beds Tulips produce a handsome and striking effect. They are equally desirable as pot plants and are always sure to bloom. Any good garden soil will grow them to perfection, and no bulb makes such a gorgeous display of blossoms with so little cultivation.

**Culture**—The culture of Tulips is similar to that of Hyacinths, except that the bulbs should not be planted quite so deep, and from three to six inches apart. All single Tulips force easily. For indoor planting we have regular Tulip pans. Plant four bulbs to a six-inch pan; eight to an eight-inch pan, etc.

The letters A, B, C, following the varieties, indicate their earliness of bloom; the A's are the earliest, B's follow, etc. The average height in inches is also given for your benefit in selecting for bedding purposes.

**Outdoors**—Early or late planting does not seem to have much effect on Tulips, but they should be planted in fresh, rich soil, but not freshly manured, manuring should be done 6 months before planting.

Be sure  
to plant  
some  
**DARWINS**  
See page  
9

## Single Early Tulips

### Single Scarlet

Artus, B 7—Deep, brilliant scarlet, fine for forcing or bedding.

Each, 3c; doz., 30c; 100, \$1.75

Belle Alliance, B 7—Brilliant scarlet, sweet scented, excellent for forcing and bedding

Each, 5c; doz., 40c; 100, \$3.00

Duc van Tholl, A 6—Bright scarlet; one of the finest for bedding and forcing.

Each, 4c; doz., 40; 100, \$2.50

Prince of Austria, B 12—Bright orange vermillion, large sweet-scented flower, fine forer and bedder.

Each, 4c; doz., 40c; 100, \$3.00

Vermillion Brilliant, B 8—A beautiful flower; forces easily and early; one of the largest and finest scarlets.

Each, 6c; doz., 50c; 100, \$4.00

Cramoise Brilliant, B 10 (Sparkler)—Bright vermillion, large flowers of great substance, fine forcer.

Each, 4c; doz., 40c; 100, \$2.50

Crimson King, B 7—Bright crimson or scarlet, easily forced.

Each, 3c; doz., 30c; 100, \$1.75

Maes, A 10—Rich scarlet tinged purple inside, center bronze with bright yellow ring; one of the earliest and best bedders.

Each, 5c; doz., 50c; 100, \$3.50

Pottebakker, A 8—Bright scarlet; large fine flower, good for forcing or bedding.

Each, 4c; doz., 40c; 100, \$3.00

Couleur Cardinal B 10—Rich bronze scarlet, large fine flower of great substance, long stems, erect habit; a splendid bedder and one of the best for forcing. Our stock is extra fine

Each, 4c; doz., 40c; 100, \$2.75

## Single Violet

Wouverman, B 8—Purple violet, large flowers; fine for outdoor planting.

Each, 6c; doz., 60c; 100, \$4.50

Van der Neer, A 10—Large violet purple, fine form, early.

Each, 6c; doz., 60c; 100, \$4.50

President Lincoln, B 8—Pretty shade of lilac violet.

Each, 5c; doz., 50c; 100, \$3.75



## EARLY SINGLE TULIPS--Continued

## Single White

**Albion, B 10 (White Hawk)**—One of the finest pure white Tulips in cultivation for forcing and bedding; flowers snow white, very large and of great substance.

Each, 5c; doz., 40c; 100, \$2.75

**Duc van Tholl, A 7**—Pure white; the best white Tulip for early forcing.

Each, 4c; doz., 35c; 100, \$2.00

**Joost Van Vondel—White—B 9**—Finest and most handsome pure white Tulip, extra large.

Each, 5c; doz., 50c; 100, \$1.00

**Pottebakker, A 9**—Pure white; fine large flowers

Each, 4c; doz., 40c; 100, \$2.50

## Single Yellow

**Chrysolora, A 9**—Pure golden yellow, large and fine; excellent for bedding.

Each, 3c; doz., 30c; 100, \$1.75

**Gold Finch, B 9**—Golden yellow, sweet scented; forces easily and early; stands well, a good bedding sort.

Each, 3c; doz., 30c; 100, \$2.00

**Mon Tresor—A 10**—Earliest golden yellow, fine large flowers, one of the best forcing Tulips.

Each, 4c; doz., 40c; 100, \$2.50

**Thomas Morus, A 12**—Apricot orange. The finest forcing tulip of its color, large elegant form, very early.

Each, 3c; doz., 30c; 100, \$2.00

**Primrose Queen, B 10**—A beautiful new tulip; rich sulphur yellow; a splendid forcer and good keeper. Florists should try this.

Each, 5c; doz., 50c; 100, \$3.75

**Golden Queen, A 13**—A fine deep yellow, early and extra large.

Each, 5c; doz., 50c; 100, \$3.75

**Yellow Prince, B 9**—Sweet scented; one of the very best for forcing; a fine yellow.

Each, 3c; doz., 35c; 100, \$1.75

**L'Immaculee, B 9**—Pure white; good for forcing and bedding.

Each, 4c; doz., 35c; 100, \$2.00

**La Reine, B 8**—Pure white; best white Tulip for forcing and bedding.

Each, 3c; doz., 30c; 100, \$1.75

**Princess Marianne, B 9**—A large white sort, slightly tinged with pink; excellent for bedding.

Each, 4c; doz., 35c; 100, \$2.00

## Single Pink

**Rose Grisdelin, B 7**—Beautiful, delicate pink, finest pink Tulip in cultivation.

Each, 3c; doz., 30c; 100, \$2.00

**Rachel Ruisch**—A light shade of pink, fine for outdoor planting.

Each, 3c; doz., 30c; 100, \$2.00

**Rose Luisante, B 9**—Deep pink, extra fine bedder; forces well.

Each, 4c; doz., 40c; 100, \$3.00

**Queen of the Netherlands, A 13**—Large, light pink, fine globe-shaped flower.

Each, 4c; doz., 40c; 100, \$3.00

**Queen of Pinks**—(Princess Wilhelmina)—Deep rosy red, flushed white; large and very beautiful. Height 15 inches.

Each, 4c; doz., 40c; 100, \$2.50

**Pink Beauty, B 11**—Bright rose pink shading to blush near yellow center. Has no equal in its class.

Each, 5c; doz., 50c; 100, \$4.00

**Proserpine, A 12**—Fine glossy carmine pink, large and early forcer and a splendid bedding tulip.

Each, 5c; doz., 50c; 100, \$4.00

## Finest Single Mixed

This mixture contains all colors and shades, and is very fine for bedding.

Each 3c; doz. 25c; 100, \$1.50

## Single Variegated Tulips

**Brutus**—Orange crimson, yellow edge; fine for forcing.

Each, 3c; doz., 30c; 100, \$2.00

**Cottage Maid, B 9**—White bordered with pink, extra fine and showy.

Each, 3c; doz., 30c; 100, \$1.75

**Joost van Vondel, B 9**—Deep, glossy, cherry red and white, large and attractive.

Each, 4c; doz., 35c; 100, \$2.75

**Duchesse de Parma, C 10**—Terra Cotta with yellow edge, large flower, forces well, fine for beds.

Each, 3c; doz., 30c; 100, \$2.00

**Keizerskroon, B 9**—Bright red, with yellow edge; very large, no other Tulip makes such a handsome bed.

Each, 4c; doz., 35c; 100, \$2.25

**Standard Royal, B 9**—Silvery white, feathered with cherry crimson.

Each, 4c; doz., 40c; 100, \$3.00

## Three Splendid Tulips for Rock Gardens

**Gregt**—"The Queen of Tulips," handsome and distinct; flowers very large; brilliant orange scarlet with yellow and black center; spotted foliage.

Each, 12c; doz., \$1.25; 100, \$10.00

**Kaufmanii**—A wonderful new Tulip blooming four weeks earlier than any other variety; color

white inside, pink outside of petals; a rare and beautiful combination; a novelty of great merit

Each, 15c; doz., \$1.50; 100, \$10.00

**Tubergiana**—Giant of all Tulips; color brilliant vermilion with dark blotch at base; flowers 8 to 10 inches in diameter, height 20 inches, May flowering, prefers sunny situation, fine for rock garden

Each, 25c; doz., \$2.50



## REMEMBER

Paeonies should be planted in the fall, Paeonies are inexpensive, permanent and require no special care, See page 28.



## Single May Flowering Tulips

**THESE** are to be grown in the open ground only, each individual blossom being a marvel of beauty in itself. They grow from 18 to 24 inches high and appear at their best when used in the border, the foreground of shrubbery or buildings, or out of the way corners of the garden, where, if left undisturbed, they will bloom with increasing beauty for years. They are extremely hardy and the flowers borne on long, strong stems are good keepers when cut.

**Bizarres**—Yellow ground, flaked with crimson, purple and violet.  
**Each 3c; doz., 30c; 100, \$2.00**

**Bouton d'Or**—Golden yellow, graceful form, beautiful flower. The only late pure deep yellow.  
**Each, 3c; doz., 30c; 100, \$2.00**

**By-blooms**—White ground, flaked with violet, crimson and maroon.  
**Each, 3c; doz., 30c; 100, \$2.00**

**Gesneriana Lutea**—Deep yellow, fine large flower.  
**Each 4c; doz., 35c; 100, \$2.50**

**Gesneriana Spathulata**—Blooms large; color rich crimson with dark center.  
**Each 3c; doz., 35c; 100, \$2.00**

**Golden Crown**—Deep yellow, with crimson edge; very showy.  
**Each, 3c; doz., 30c; 100, \$1.75**

**Isabella**—(Shandon Bells)—Cream turning to carmine, large  
**Each, 3c; doz., 35c; 100, \$2.00**

**Picotee**—White with a pink border; fine for cutting.  
**Each, 3c; doz., 35c; 100, \$2.00**

**Sweet Nancy**—White to light pink, gracefully reflexed petals, margined red.  
**Each, 4c; doz., 40c; 100, \$2.00**

**White Swan**—A lovely egg-shaped pure white flower on long stems; extra fine cut flower.  
**Each, 3c; doz., 30c; 100, \$2.00**

### "DIAMOND" COLLECTION

#### Ten Most Beautiful Show Tulips

**Elegans Alba**—White with red penciling on margin, gracefully reflexed petals, yellow anthers.

**Each, 5c; doz., 50c; 100, \$4.00**

**Ellen Willmot**—An exquisite shade of rich, creamy yellow; large refined flower; delicious fragrance; long keeper. The finest May flowering Tulip.  
**Each, 10c; doz., \$1.00; 100, \$8.00.**

#### Red and Yellow Gesneriana

**Fairy Queen**—Rosy heliotrope, broadly margined yellow; inside of petals brownish red.  
**Each, 5c; doz., 50c; 100, \$3.00**

**Gesneriana Ixioides**—Magnificent yellow with black center; a rare and beautiful Tulip.  
**Each, 15c; doz., \$1.50; 100, \$10.00**

**Inglescombe Pink**—Salmon pink with blue base; one of the finest of the large May flowering tulips.  
**Each, 5c; doz., 50c; 100, \$3.00**

**Inglescombe Scarlet**—Same form as above. Color a rich scarlet black base.  
**Each, 5c; doz., 50c; 100, \$3.00**

**Inglescombe Yellow**—A large fine yellow of perfect form; may be used for yellow Darwin.  
**Each, 15c; doz., \$1.50; 100, \$10.00**

**La Merville**—A large bright scarlet, suffused apricot orange; gracefully formed long pointed petals; one of the most beautiful Tulips.  
**Each, 4c; doz., 40c; 100, \$2.50**

**Mrs. Moon**—Large orange yellow. A superb tulip, the best of its color.  
**Each, 7c; doz., 75c; 100, \$6.50**

**Primrose Beauty**—Soft primrose, changing to white; a magnificent flower of the Willmot type.  
**Each, 8c; doz., 80c; 100, \$6.00**

*Elegans  
Alba*



## New Giant Darwin Tulips

**THESE** new giant May flowering Tulips have a majestic beauty distinctively their own that is invaluable for garden and landscape effects, and their immense globular flowers of perfect form and satiny, wax-like texture, long stems and lasting qualities, make them ideal for cutting. They come in the most varied and brilliant coloring, from white through dainty pinks, salmon, rose, and deep rich reds to black, lavenders, heliotrope, blue, violet, purple, bronzes and browns, but as yet no pure yellow. Inglescombe Yellow, page 8, in the May flowering Tulips can be used and is known as the Yellow Darwin.

For best effects Darwins should be planted in clumps of from 15 to 25 bulbs of one color, or in the foreground of shrubs, trees, borders, or buildings. They prefer partial shade, but will thrive in any location. They come in hundreds of varieties, of which we offer the following as the best of their color. Try them.

**Bronze Queen**—Extra large light bronze yellow.

Each, 8c; doz., 85c; 100, \$6.00

**Clara Butt**—Deep apple blossom, extra fine

Each, 7c; doz., 75c; 100, \$5.25

**Gretchen**—Large globular delicate pink flower, inside soft blush.

Each, 5c; doz., 50c; 100, \$4.00

**Farncombe Sanders**—Beautiful fiery scarlet; best of its color.

Each, 8c; doz., 85c; 100, \$6.50

**Kate Greenway**—One of the largest and latest; immense white flowers suffused with lilac.

Each, 5c; doz., 50c; 100, \$3.50

**La Candeur**—(White Queen)—Splendid white flower, tinged delicate blush; large size.

Each, 6c; doz., 60c; 100, \$4.50

**La Tulip Noire**—The Black Tulip, flowers large, lustrous and attractive, of fine form, true Darwin type, grows 24 inches high, May novelty.

Each, 25c; doz., \$2.50

**Mme. Krelage**—Bright pink, lighter edge.

Each, 6c; doz., 60c; 100, \$4.00

**Pride of Haarlem**—Brilliant salmon rose, shaded scarlet, blue at base; of grand size and form.

Each, 6c; doz., 65c; 100, \$5.00

**Rev. Ewbank**—Soft mauve, light edging.

Each, 7c; doz., 75c; 100, \$5.00

**Grand Maitre**—Lovely blue violet.

Each, 5c; doz., 50c; 100, \$3.50

**Zulu**—Rich velvety purplish black, large distinct flower.

Each, 10c; doz., \$1.00; 100, \$8.00

**La Tristesse**—Beautiful violet with light base.

Each, 10c; doz., \$1.00; 100, \$8.00

**Dream**—Beautiful soft lilac self colored, extra large.

Each, 5c; doz., 50c; 100, \$4.00

**MIXED.**

Each, 4c; doz., 40c; 100, \$3.00

### Special Tulip Collections for Trial

**FOR** those who would learn the names of Tulips, their relative time of flowering and habit of growth, and to enable you to select varieties you prefer for special planting purposes, we offer one each of the following classes at reduced prices for trial. A knowledge of the classes and names of flowers increases the value and adds greatly to the interest and pleasure of gardening.

**No. 1 Trial Collection—40 Early Single Tulips**—One each of the named varieties listed on pages 6 and 7.

\$1.25 postpaid.

**No. 2 Trial Collection—23 May Flowering Tulips**—Including **Tubergiana**, **Kaufman** and **Griegli**, pages 7 and 8. A splendid assortment of the most beautiful garden tulips.

\$1.25 postpaid.

**No. 3 Trial Collection—14 Giant Darwin Tulips**—A select list of the most magnificent varieties—see description above. These are for outdoor planting.

85c postpaid.

**No. 4 Trial Collection—12 Finest Double Tulips**—Useful for forcing or outdoor plantings. Page 10.

35c postpaid.

**No. 5 Trial Collection—6 Parrot Tulips**—The most wonderful and unique of all Tulips, page 10. These are for outdoor planting.

15c postpaid.

**Our Tulips** are grown by the most reliable Holland growers with whom we have dealt for more than 20 years. They are the finest grade of select bulbs that can be produced and are true to name.



Darwin Tulip  
Clara Butt

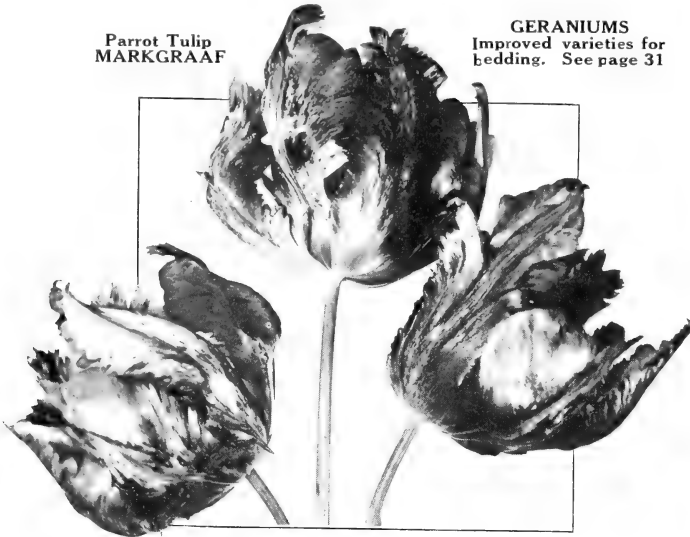
## Parrot Tulips

Parrot Tulips are for  
the Open Ground Only

These Tulips have immense, attractive flowers of singularly picturesque forms and brilliant and varied colors. The petals are curiously fringed or cut. They form extravagantly showy flowers of endless variety of form and color, and should be grown in every flower garden.

Parrot Tulip  
MARKGRAAF

GERANIUMS  
Improved varieties for  
bedding. See page 31



**Admiral de Constantinople**—Orange red, good size.

**Cafe Brun**—Orange, red feathered; very showy.

**Cramoise Brillant**—Beautiful carmine red, large flowers; very fine.

**Lutea Major**—Golden yellow, extra fine and large flowers.

**Markgraaf**—Inside rich orange, outside scarlet and yellow, feathered, extra fine.

**Perfecta**—Yellow, scarlet feathered

### NAMED VARIETIES.

Each, 3c; doz., 35c; 100, \$2.00

**FINE MIXED**—This mixture contains a large assortment of colors

Each, 3c; doz., 25c; 100, \$1.75

### BEDDING PLANTS

are ready when the Tulips  
are through blooming.

SEE PAGE 30.

## Early Double Tulips

**T**HE double Tulips are used mostly for outdoor planting and bloom a little later than the early Single Tulips. Being double and full, the blooms last longer. This, with the great variety of colors, shades and markings, makes them favorites with many.

**Couronne d'Or, B 8**—Fine yellow, the best double yellow for forcing, strong stem and stands handling well.

Each, 5c; doz., 40c; 100, \$2.75

**Duke of York, B 10**—A lovely carmine having a white edge; very showy; fine for bedding.

Each, 4c; doz., 35c; 100, \$2.25

**Gloria Solis, A 9**—Deep crimson, with a broad, golden yellow margin; a grand flower.

Each, 4c; doz., 40c; 100, \$2.50

**La Candeur, B 8**—Pure white, very full and double; extensively grown in open beds.

Each, 4c; doz., 35c; 100, \$2.25

**Murillo, B 8**—This is decidedly the best double pink Tulip for forcing or bedding; flowers large and full; very fine.

Each, 3c; doz., 30c; 100, \$2.00

**Early Double Mixed**—This mixture contains a large and choice assortment of all colors and shades; very suitable for outdoor planting.

**Queen Victoria, B 8**—Carmine, a lovely flower; good bedder.

Each, 3c; doz., 30c; 100, \$2.25

**Rubra Maxima, B 9**—Bright crimson, scarlet, superb variety for bedding; cannot be forced; flowers large.

Each, 4c; doz., 40c; 100, \$2.50

**Salvator Rosa, A 7**—Beautiful deep rose, flamed with white; fine for forcing.

Each, 4c; doz., 40c; 100, \$2.50

**Tournesoll, A 9**—Bright red, with yellow edge, sweet scented, large flower. One of the easiest doubles to force.

Each, 5c; doz., 50c; 100, \$3.00

Each, 3c; doz., 25c; 100, \$1.50

## Late Double Tulips

These are handsome and showy, and are often planted in small groups about the yard, as well as in large beds. Following varieties grow quite tall.

**Blue Flag**—Bluish violet, one of the best dark shades.

Each, 5c; doz., 50c; 100, \$3.50

**Marriage de ma fille**—White, feathered with cherry crimson, flowers large, full and double; very showy.

Each, 5c; doz., 50c; 100, \$3.50

**Yellow Rose**—A handsome golden yellow; a good bloomer.

Each, 4c; doz., 35c; 100, \$2.00

For Beautiful New Ferns that are easily grown, see page 32.

## Narcissi-Polyanthus

The Polyanthus varieties of Narcissi are not only beautiful, but deliciously sweet-scented, and of the easiest culture, very free flowering and suitable for forcing indoors or bedding out, continuing long in bloom. They bear tall spikes of bloom, bearing from six to twenty-four flowers each.

### PAPER WHITE GRANDIFLORA

Flowers pure white, especially desirable for their beauty and delicious odor. It forces admirably and flowers freely in dense clusters; will come into bloom as early as December, if potted early. Forced by florists for cut flowers. Anyone can grow them in the house successfully. Plant one bulb to a three-inch pot, four to a six-inch pot. Can be grown in water. See page 2.

Each, 5c; doz., 40c; 100, \$2.00

**Grand Monarque**—Large, pure white, with lemon cup. One of the finest in this class.

Each, 6c; doz., 60c; 100, \$4.00

**Grand Soleil d'Or**—Rich yellow, with orange cup; fine for bedding and cutting.

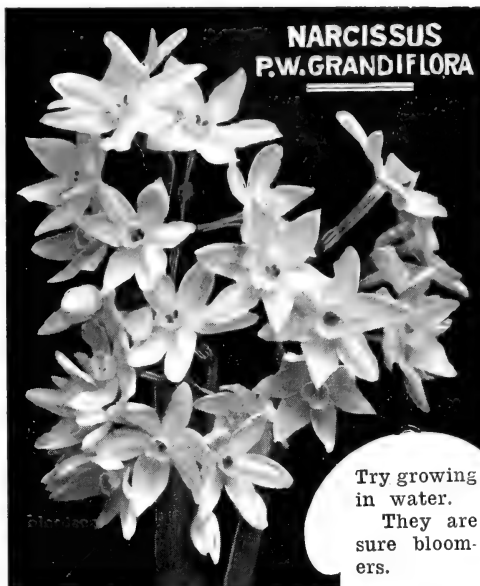
Each, 6c; doz., 60c; 100, \$4.00

**The Pearl**—Pure white flowers of mammoth size and very fine; looks very much like the Grandiflora, but is much larger.

Each, 6c; doz., 60c; 100, \$4.00

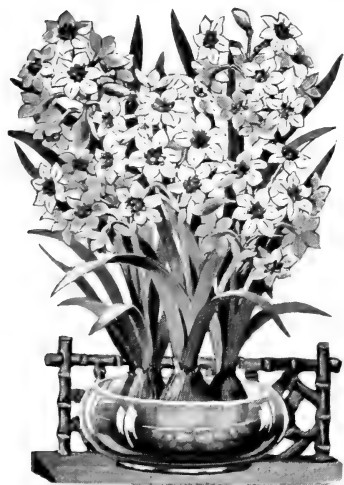
**Extra Fine Mixed**—A mixture of ten named varieties.

Each, 5c; doz., 50c; 100, \$3.50



## Sacred Chinese Lily

(Narcissus Orientalis.)



**CHINESE SACRED LILY**

The Chinese Lily bulbs offered by us are large, solid and well matured. They can be relied upon to be the true Chinese, which are superior to those grown in this country. Bulbs ready from September to April.

Each, 15c; 2 for 25c; doz., \$1.40, postpaid

## LAWN FERTILIZER

Fifty pounds of our Odorless Lawn Fertilizer, No. 5, scattered over a city lot will give the lawn a beautiful green, velvety appearance. Our Fertilizer Booklet tells all about our Diamond Fertilizers—for every purpose—gives valuable reference tables and practical information. It's Free, send for a copy.

## PORTLAND SEED COMPANY'S

**"Diamond Quality" NARCISSI**

We consider Narcissi to be the most satisfactory and valuable of all flowering bulbs; coming in endless variety, adapting themselves to every planting condition or requirement, their stately and delicate beauty, exquisite perfume, earliness, free blooming and keeping qualities, endear them to all who have grown them.

Once planted in the field or garden they need no further attention but will thrive and perpetuate themselves, increasing in beauty for years.

**Popular Types**

Book of  
Daffodils  
and  
Narcissi  
235  
pages  
\$1.10  
postpaid

The Polyanthus, flowering in clusters; the "Paper White" being the earliest, easiest to force and best known of this class.

The Trumpet types or "Daffodils" are the most widely known, and some of the best garden varieties are of this class; they also force easily, making ideal pot plants.

The "Chalice Cupped" or Star Narcissus are the daintiest and most charming of all types. To this class belong the *Incomparabilis*, *Barrii*, *Leedsii*, etc., all splendid garden varieties that will also give perfect results when grown in pots or forced.

The white flowered Poeticus type or "Pheasants Eye" Narcissus, give us some of the best of the later garden types, being hardy, sweet scented, very chaste and beautiful. Some varieties force easily, others are best suited to the garden or field.

The new Poetaz Narcissi are hybrids of Poeticus and Polyanthus types, forming a distinct and beautiful, free blooming, large flowered class that is attracting much attention and will be grown extensively as they become better known. They retain the polyanthus or cluster form of blooming, but the individual flowers are almost as large as the Poeticus types, equally valuable for bedding or forcing; extremely hardy.

**Outdoor Culture**—Plant in early fall if possible but plantings as late as Christmas will give excellent results. The depth to plant is  $1\frac{1}{2}$  the depth of the bulb. This gives a covering of 2 to 3 inches of soil. Any good garden soil which has not been recently manured will give satisfactory flowers, but a deep moist loam is best. If the ground is dry or sandy it should be dug deeply, well manured and an annual, such as potatoes, grown the year previous. If your soil is light and you do not want to take off a crop before planting, give a light dressing of lime to the surface and work in a layer of well rotted manure a foot below, so as to be out of reach of the bulbs, this layer is to hold the moisture, not as a fertilizer. The best fertilizer is ground bone. This can be used with safety on poor sandy soil. A little sulphate of potash, 3-4 oz. to the square yard, will improve the color of the flower and retain the moisture.

**Pot Culture**—The Bulbs should be planted as soon as received as earliest plantings insure finest flowers. In potting use good, turfy loam, but let no manure of any kind, well rotted or otherwise, touch the bulb. Set in a cool, dark room for a month or two, until well rooted, then remove to the light for flowering. (All bulbs prefer a cool temperature. Be careful not to grow them too warm). Do not cultivate too much, as extra vigor of growth injures the purity of color. Some Narcissi prefer partial shade but grow splendidly in any situation.

In Planting Narcissi large groupings of irregular outline give most pleasing effects, shun symmetrical lines or formal designs.

**New Cluster-Flower—Poetaz Narcissi**

These are hardy hybrids between Polyanthus and Poeticus, very vigorous, growth tall and stately, with clusters of delightfully fragrant flowers. They thrive and bloom in great profusion; good keepers, forcing or bedding.

**ELVIRA**—Long graceful stem, flower heads have three to four large blooms, broad, white petals, deep golden cup, with scarlet edge, delicious fragrance.

Each, 5c; doz., 50c; 100, \$4.00

**IRENE**—Deep cup, beautifully fluted, perianth sulphur yellow, superb.

Each, 8c; doz., 75c; 100, \$5.50

**IDEAL**—White Perianth, dark orange cup, large truss, free bloomer.

Each, 8c; doz., 75c; 100, \$5.50

**NEWEST CACTUS and PAEONY Flowered DAHLIAS—See Pages 22 to 24**

# DAFFODILS

The trumpet types of *Narcissi* are the true old fashioned form of Daffodils, but we now have many new and wonderful sorts, they are the largest and most glorious of all *Narcissi* and are perfectly hardy everywhere. Can also be grown in pots. See page 12 for culture. We especially advise you to try *Mad. de Graaf* and *Glory of Leiden*.

To enable you to plant for succession of bloom, we have numbered the varieties in their relative earliness. No. 1, early March; No. 2, late March; No. 3, early April; No. 4, late April; No. 5, May.

## TWO GRAND NEW GIANT DAFFODILS THAT YOU SHOULD GROW.

**Mad. de Graaff**—(4)—A lovely white daffodil. Opens with soft primrose trumpet passing to white, of perfect form, giant size, vigorous and free blooming; forces well and for garden or naturalizing in grass has no superior; height 16 inches. First-class certificate. R. H. S. **Each, 20c; doz., \$2.00**

**Glory of Leiden** (4)—A fitting companion for the above; a bold, giant daffodil, with golden yellow trumpet, perianth lighter, very erect, of fine form and good substance; free blooming, forces well, is a good keeper and very hardy in open ground; height 14 inches. First-class certificate, R. H. S. **Each, 20c; doz., \$2.00**

**Albicans**—(2)—The "White Spanish Daffodil"—Cream white, with silvery white trumpet slightly flushed with primrose and elegantly recurved at brim.

**Each, 5c; doz., 50c; 100, \$3.50**

**Bicolor Empress**—(3)—Perianth snow-white, trumpet rich yellow, serrated and flanged at the edges, large in outline and of rare beauty.

**Each, 6c; doz., 60c; 100, \$3.50**

**Bicolor Victoria**—(2)—A magnificent large variety, bold and erect. A rare beauty; sweet-scented and the best of the bicolor varieties. Perianth white and of great substance; trumpet rich yellow.

**Each, 6c; doz., 60c; 100, \$3.50**

**Emperor**—(3)—A magnificent flower; perianth primrose; trumpet large, rich deep yellow. One of the finest Daffodils in cultivation.

**Each, 6c; doz., 60c; 100, \$3.50**



**SPECIAL** One each of these nine Magnificent Single-Trumpet Daffodils 65c Post Paid



## DAFFODILS Naturalized

Make a permanent and valuable improvement at a very small cost. Information and prices on request.

**Golden Spur**—(1)—One of the grandest Daffodils, with extra large, bold, rich, golden yellow flowers, foliage very broad and striking; of robust habit and unsurpassed for gardens, pots and forcing.

**Each, 6c; doz., 60c; 100, \$3.50**

**Trumpet Major**—(3)—Flower large and almost of a uniform deep golden; highly prized as an early forcing sort and largely planted for outside bedding. Fine for cutting.

**Each, 4c; doz., 35c; 100, \$2.00**

**Obvallaris**—(1) — (*Tenby Daffodil*) — A beautiful and distinctive type. Perianth and trumpet rich, full yellow, large, of good substance and perfect form. Very early, ideal for naturalizing, flower well.

**Each, 6c; doz., 60c; 100, \$3.50**

## DOUBLE DAFFODILS

**Van Sion**—(*Telamonius Plenus*) (2)—"The True Double Yellow Daffodil." Rich golden yellow perianth and trumpet. This is the old favorite so highly prized and deserves to be planted in quantity where it can remain undisturbed for several years. It will then thrive and bloom in increasing profusion every spring and is also one of the best winter flowering and forcing sorts, immense quantities being used for this purpose.

**Each, 5c; doz., 40c; 100, \$2.50**

**Van Sion**—Double nose, extra large bulbs.

**Each, 6c; doz., 65c; 100, \$3.75**

**Silver (Sulphur) Phoenix** (3)—Very large flowers; pale creamy white, shading to primrose. One of the finest varieties for pot culture, and makes a splendid cut flower.

**Each, 5c; doz., 50c; 100, \$3.00**

**Alba Plena Odorata**—(6)—"The Double White Poet's *Narcissus*." Double, snow-white flowers, exquisitely scented; late flowering; cannot be forced.

**Each, 3c; doz., 30c; 100, \$1.75**

**Orange Phoenix** (3)—(*Eggs and Bacon*)—Beautiful double white flowers, with orange center; splendid for pot culture, cutting and garden planting. **Each, 5c; doz., 40c; 100, \$2.00**



Frank Miles

**Frank Miles (3)**—Large, soft, clear yellow; petals gracefully curved and twisted.

Each, 5c; doz., 50c; 100, \$3.75

**Ariadne (3)**—A refined flower of great beauty, white perianth wide cream-colored cup with daintily frilled margin, a rare beauty; award of merit R.H.S.

Each, 15c; doz., \$1.50

**Mrs. Langtry (4)**—A remarkable, free flowering variety, with broad white perianth and large white cup edged yellow. First-class certificate, R. H. S.

Each, 4c; doz., 35c; 100, \$2.00

**M. M. de Graaff (4)**—Long white perianth, orange rose cup, comes two flowers on a stem, fine.

Each, 5c; doz., 50c; 100, \$3.50

#### LEEDSII TYPES

**Minnie Hume (3)**—Large white perianth, spreading cup, passing from lemon yellow to white. One of the best and most beautiful. Also awarded a first-class certificate, R. H. S.

Each, 4c; doz., 35c; 100, \$2.00

**Katherine Spurrell (4)**—Large shapely flower, sulphury white, perianth, canary cup.

Each, 7c; doz., 75c; 100, \$5.00

**Queen Bess (1)**—Pure white perianth, bright yellow cup, large and very early.

Each, 5c; doz., 50c; 100, \$3.50

**Duchess of Brabant (3)**—Perianth white, yellow cup, vigorous and free blooming.

Each, 4c; doz., 35c; 100, \$2.00

#### Jonquils—Native of Spain—A Species of Narcissus

Very popular on account of their easy cultivation and very fragrant, golden yellow blooms, which remain a long time in perfection. Easily grown in the house or open garden. Half a dozen bulbs can be put in a five-inch pot, and with the same treatment as recommended for Hyacinths a fine display can be produced from January to April.

For garden display nothing is finer, they are lasting, flower freely, are deliciously perfumed, and of a beautiful golden yellow; best of all they are inexpensive and should be planted freely.

**Jonquil Campernelle**—Single—Large, yellow flowers, 4 to 6 borne on each stem, fine forcer, splendid garden sort, height 18 inches.

Each, 4c; doz., 35c; 100, \$1.75

**Double Jonquil**—Very double, deep golden

**Jonquil Rugulosus**—Improved giant Jonquil, broadly imbricated perianth wrinkled cup, beautiful rich yellow.

Each, 3c; doz., 30c; 100, \$2.00

yellow, deliciously fragrant.

Each, 4c; doz., 40c; 100, \$2.50

#### NARCISSI—Continued

#### “Chalice Cupped” or Star Narcissi

**Incomparabilis, Barrii, and Leedsii**, are types of this class of hardy, vigorous, free flowering Narcissi. They also force well, are inexpensive and most beautiful. Be sure to plant them.

#### INCOMPARABILIS TYPES

**Sir Watkin (2)**—“The Giant Chalice Flower,” or “Big Welshman.” A gigantic variety, having immense, long-stemmed flowers, sometimes measuring five inches across, and is the largest variety grown. Color a rich light yellow, with a large, dark cup, tinted with orange

Each, 5c; doz., 50c; 100, \$3.50

**Incomparabilis Simplex**—Yellow, fine for forcing and cutting; flowers well formed and fragrant.

Each, 4c; doz., 35c; 100, \$2.00

**Cynosure (3)** Sulphur white perianth, cup stained orange scarlet; a graceful showy flower.

Each, 4c; doz., 35c; 100, \$2.00

#### BARRII TYPES

**Barrii Conspicuous (4)**—The finest of this class; long-stemmed flowers, with beautiful broad-petaled perianth; sparkling canary yellow, with deep golden cup, richly edged with orange scarlet. First-class certificate, R.H.S.

Each, 4c; doz., 35c; 100, \$1.50

**Flora Wilson (4)**—Pure white perianth, yellow cup, edged orange scarlet, a striking beauty.

Each, 7c; doz., 75c; 100, \$6.50





New "Poeticus Glory"

## NARCISSI—Continued

### Poeticus Varieties

**Poeticus Varieties**—These are among the most beautiful of all spring flowering bulbous plants. The large, single blossoms, 2 to 2½ inches across, are of a snowy whiteness, intensified by the exquisite golden colored cups, ringed like a pheasant's eye, with red and green. The flowers are gracefully poised on long, stout stems, adapting them for vases. They are especially valuable for garden planting. If allowed to remain undisturbed, they thrive, spread and improve every year.

**Glory (4)**—The new Poeticus, largest of the type. Snowy white, perfectly formed petals; a flower of great beauty, with every good quality. **F C C, R H S**

**Each, 15c; doz., \$1.50**

**Poeticus (Pheasant's Eye) (5)**—Pure white flowers, orange cup, edged with red. Very useful for cutting in spring, as they can be planted in borders out of doors, where they are perfectly hardy, and will bloom year after year. **Does not force.**

**Each, 3c; doz., 25c; 100, \$1.00**

**Poeticus Ornatus (4)**—(The Improved Poeticus)—Pure white cup, edged with scarlet, much finer in form and earlier than Poeticus. A magnificent cut flower. **Largely used for forcing**

**Each, 3c; doz., 25c; 100, \$1.25**

## Miscellaneous Spring Flowering Bulbs

### Snowdrops—Galanthus

The first flower to bloom in the spring, producing small but beautiful white blossoms before other outdoor plants are started. Plant about one inch apart in borders, beds or in clumps in the lawn, setting two or three inches deep. They come up from year to year and need not be disturbed until they become crowded. (See cut.)

**Snowdrop Elwesi**—(Giant Snowdrop), single.

**Two for 5c; doz., 25c; 100, \$1.25**

**Snowdrop—Double.** Each, 3c; doz., 30c; 100, \$2.00

### Ixias

The Ixia is a beautiful little flowering bulb, with low, slender, graceful spikes of bloom. The colors are rich, varied and beautiful. Culture same as Hyacinths. **Named Varieties, Mixed.** Each, 4c; doz., 40c; 100, \$2.00

**Fine Mixed.** Each, 3c; doz., 25c; 100, \$1.25

### Muscari Botryoides

**Grape Hyacinths**—Very pretty early spring blooming bulbous plants, succeeding well in almost any soil or situation. White, blue, light blue. **Each, 3c; doz., 25c; 100, \$1.00**

**"Heavenly Blue"**—New Grape Hyacinth of distinctive type and rare coloring, delightfully fragrant, extra large, fine as a cut flower or for massing in border.

**Postpaid, per doz., 20c; per 100, \$1.00**



SNOWDROPS

### Muscari Plumosus

**Feathered Hyacinths**—An odd and interesting variety bearing spikes of beautiful purple flowers; hardy everywhere.

**Each, 3c; doz., 25c; 100, \$1.00**

### PEONY DAHLIAS

Are best for garden effect. They also have long stems and keep well when cut.

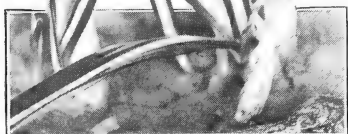
**SEE PAGE 24**

## FERNS

That are  
easily grown  
*The newest  
most beautiful  
varieties.*

See 32

New  
Giant  
Crocus  
Purpurea  
Grandi-  
flora



Planted in pots Crocus  
make splendid house  
plants. :: :: ::

## Crocus

These charming little flowers bloom at a time when the ground is destitute of foliage or other flowers. This makes them most welcome, and they should occupy a prominent place in every garden. When planted in borders or beds in one or more colors, the effect is striking. No spring display surpasses that of the Crocus. The broad, wavy bands of golden yellow, striped, purple, or of pure white, when they expand their blossoms in February and March, are incomparable.

A desirable effect is produced by setting Crocuses here and there over the lawn. It is only necessary to lift the turf and insert the bulbs about two inches deep. They will care for themselves, blooming very early amid the grass, and dying down to the bulb in ample time to be entirely out of the way of the lawn mower. Once planted, they will remain uninjured in the ground and bloom for years.

Plant from October to March, about three inches deep and about two inches apart in beds or borders. Indoor, the Crocus can be easily forced. Plant from six to a dozen bulbs in a shallow pot, keep cool and water well, treating same as Hyacinths.

## Named Crocus

The following varieties are new and improved sorts, the finest of their color. Be sure to include them in your list. For forcing or special work the Named Crocus is best.

**King of the Whites**—Mammoth snow white, truly the king of all white Crocus

**Lothair**—White with blue stripes, very beautiful and distinctive.

**Purpurea Grandiflora**—Bright purple, large, fine flower; best of its color

**Baron Brunow**—Bright purple, free blooming, flowers large, extra fine.

**Cloth of Gold**—Golden yellow, slightly veined red, flowers large.

**Cloth of Silver**—Silvery white, striped lilac.  
**Mont Blanc**—Large, pure white; one of the finest.

**Mammoth Yellow**—Yellow, selected bulbs of large size; finest blooms.

**Sir Walter Scott**—White, striped with purple, the best striped, very large.

Price, doz., 20c; 100, \$1.25; 1000, \$10.00

## Mixed Crocus

These separate colors in mixed shades are extensively planted for outdoor beds or borders. Our bulbs are all solid and sound and first size. We have four colors.

Assorted—Blue, striped, white or yellow.

Doz., 10c; 100, 65c

Mixed—All colors.

Per 100, 60c

## Anemones

These bulbs produce a most beautiful and showy flower. The plant is neat and compact in growth. Foliage is very fine and elegantly cut. Culture same as for Hyacinths. For forcing indoors, plant three or four bulbs in a four-inch pot. Avoid too much heat.

Double blue, scarlet or mixed.

Each, 4c; doz., 35c

Single scarlet, blue, white or mixed.

Each, 3c; doz., 25c

**ANEMONE FULGENS**—Scarlet Wind flower, extra large..... Doz., 30c; 100, \$2.00

## Giant St. Brigids

**New-Giant St. Brigids**—A new race of Anemones far superior to any hitherto known. Flowers come double, semi-double and single, from 3 to 5 inches across and in many varied and brilliant colors, long stems, free blooming. Planted inside in the fall will flower during the winter or can be planted in open ground after danger of frost has passed. Try them.

Price, Each, 5c; doz., 50c; 100, \$3.00

## FREESIAS

These popular winter blooming bulbs force readily, coming into bloom early, and by successive plantings will last throughout the season. Their handsome clusters of white flowers have a most delicious fragrance] Plant four to six in 4-inch pot.

### New Giant Freesia—Purity

A grand new Freesia of giant size and good substance, pure white, a vigorous grower and good keeper First size bulbs **Doz., 50c; 100, \$3.50**

**Refracta Alba**—The flowers are pure white with a yellow blotched throat and are exquisitely fragrant.

**First size bulbs.** **Doz., 30c; 100, \$1.50**

**Extra large bulbs.** **Doz., 35c; 100, \$2.50**



## Cyclamen (Giant Persian)

These are among our most beautiful and interesting winter and spring flowering plants for the window and greenhouse. Not only are the flowers of striking beauty, but the foliage is also highly ornamental. There are no plants better adapted for pot culture, and few that produce such a profusion of bloom; the flowers range through many shades of pink, crimson, white, etc., some being beautifully spotted, and many of them delicately fragrant. Plant one bulb in a 4 or 5-inch pot. We offer extra large choice bulbs as follows:

**White, Carmine or Pink.** **Each, 25c; three, 60c; doz., \$2.25**

**Mixed Colors.** **Each, 20c; doz., \$2.25**

**CYCLAMEN PLANTS in Pots**—Fine healthy plants ready to bloom, 4 inch pots, each 50c; 5 inch pots, 75c each; 6 inch pots specimen plants, \$1.50 each.



Cyclamen

## Leucojum (Snow Flake.)

Pretty bulbous plants allied to the Snowdrop, but of much stronger and bolder habit, growing from one to two feet high, in rich soil, and producing freely, beautiful large white flowers distinctly tipped with green, excellent for cutting. When once planted they take care of themselves, and should have a place in all hardy collections; can also be grown in pots.

**Leucojum Vernum** (Spring Snowflake).

**Each, 4c; doz., 35c; 100, \$2.00**

**Leucojum Aestivum** (the Summer Snowflake).

**Each, 4c; doz., 35c; 100, \$2.50**

## Allium

**Neapolitanum**—An excellent variety for winter flowering, extensively forced by florists for cut flowers. Its flower stems are 20 inches high, supporting a large cluster of delicate white starry flowers; sure to bloom splendidly in any window.

**Neapolitanum** **Each, 3c; doz., 25c; 100, \$1.00**

**Mixed colors** **Each, 3c; doz., 20c; 100, 85c**

## Chionodoxa

They produce flower spikes bearing lovely Scilla-like flowers. They are perfectly hardy, and may be planted as an edging to a bed, or in masses; they flower with the Snowdrops and last a long time in perfection.

**Lucilliae**—Bright blue with large, clear white center.

**Each, 3c; doz., 30c; 100, \$2.00**

## Fritillaria Imperialis (Crown Imperials.)

A stately, showy, early blooming plant, bearing large bell-shaped flowers of various shades of red and yellow, should be planted in deep, well enriched soil and not disturbed for years. The Crown Imperial is a very attractive garden flower. **Fine Mixed, Each, 15, doz., \$1.50**

**DIAMOND PLANT FOOD** For House Plants—15c and 25c pkg.



Sparaxis

### Sparaxis

A beautiful class of bulbs allied to the Ixias, and requiring the same treatment, producing spikes of flowers of the most exquisite and brilliant flowers.

Very fine mixed Each, 3c; doz., 25c; 100, \$1.25

### Scillas

**Siberica**—This is one of the prettiest of early spring blooming bulbs, of dwarf habit, with sprays of exquisite rich blue flowers. Grown in masses in conjunction with Crocus, Chionodoxas and Snowdrops, the effect is charming; fine for forcing.

Each, 3c; doz., 25c; 100, \$1.75

**Campanulata**—A beautiful spring flowering bulb, producing, before the leaves appear, spikes of bell-shaped flowers in blue, white and pink.

White, blue, or pink.

Each, 4c; doz., 35c; 100, \$2.00

**Scilla Nutans**—Alba Maxima—Blush Queen—Major.

Doz., 25c; 100, \$1.50

### Triteleia Uniflora

Spring Star Flower—A pretty little bulbous plant for either pot culture or the open border, bearing fragrant star-shaped flowers of a delicate blue-white color.

Each, 3c; doz., 20c; 100, \$1.50

### Oxalis

Charming little half-trailing or bushy plants, particularly adapted for pot culture and hanging baskets; the foliage alone is very attractive, and when in flower they are exceedingly pretty.

Fine mixed 2 for 5c; doz., 20c; 100, 75c

**Bermuda Buttercup**—Bears in profusion, bright, golden yellow flowers all winter. One of the finest winter blooming plants ever introduced for pots, baskets and vases; produces a mass of pretty foliage covered with hundreds of buds and flowers at one time. For forcing, plant the bulbs in light, rich soil and set in a cool place for several days, then remove to a warm, sunny window.

Single Each, 4c; doz., 35c; 100, \$2.00

**Grand Duchess**—A California variety of great beauty; of dwarf, sturdy growth; free flowering and very desirable. Pink, lavender, white or yellow.

Each, 4c; doz., 35c; 100, \$2.00

### Erythronium (Dogstooth Violet)

Dens Canis Grandiflora, Mixed.

Fine hardy plants with charmingly variegated foliage, bearing lily-like blossoms of different colors; prefer moist situation with partial shade; grow well in pots for winter blooming.

Each, 5c; doz., 40c; 100, \$2.50

### Eranthus Hyemalis

Winter Aconite—The first flower of the year, often coming before the snow is gone, covering the ground with gilt spangles of flowers as early as February; succeeds in any soil or situation; remains in flower for weeks.

Each, 5c; doz., 25c; 100, \$1.50

### Ornithogalum

**Arabicum**—A beautiful plant for forcing in the house. The leaves are long and narrow, flower spikes about 18 inches high, bearing large clusters of beautiful, pearly-white flowers which have a jet-black center. Plant one bulb in a four-inch pot, same as Hyacinths. Extra choice bulbs.

Each 10c; doz., \$1.00

**Umbellatum**—Like the above, only pure white. Known as "Star of Bethlehem."

Each, 5c; doz., 40c

### Ranunculus

Among dwarf flowers these are unrivaled for lovely form and bright attractive colors, ranging through gorgeous shades of white, crimson, yellow, purple and black, many of them being beautifully marked with other shades. They flower profusely in pots in the house during the winter.

**Turban, Mixed**—Paeony-formed flowers, large and early, vivid colors and compactly double.

Each, 3c; doz., 25c; 100, \$1.50

**Giant French, Mixed**—Immense and gorgeous, loosely formed double flowers.

Each, 3c; doz., 25c; 100, 1.00

**Persian, Mixed**—Rose-shaped flowers, very double and rich.

Each, 3c; doz., 25c; 100, \$1.00

## LILIES—Japan

**A**FTER bulbs are set out they should remain undisturbed for five or six years. They will increase in size, beauty and number of flowers, with practically no attention, our coast climate being perfectly suited to their requirements, and once established, they rival the famous product of Japan.

Planted outdoors during the fall or early spring they flower each year from June to October. We have selected the finest types that bloom freely and in the various kinds listed below you will find Lilies suitable for every purpose.

**EASTER  
SUNDAY  
Mar. 23d  
1913**

### **Lilium Auratum** (Golden Banded Lily)

The handsomest and best known of the Japan Lilies. Its immense ivory-white flowers are thickly studded with yellow and crimson spots, while in the center of each petal is a gold band fading at its edges into white; very fragrant. They bloom from June to October.

**Mammoth bulbs..... Each, 20c; doz., \$2.00.**  
**Large bulbs..... Each, 15c; doz., \$1.50.**

**AURATUM RUBRO-VITTATUM**—Giant flowers—pure white, beautifully spotted and with deep crimson stripe through center of petal. Truly magnificent. **\$1.00 each, postpaid.**

**AURATUM PICTUM**—Same as Auratum, except gold band shades into bright crimson at margin. A rare and beautiful Lily.

**75c each, postpaid.**

**AURATUM PLATYPHYLLUM**—This is without question one of the most wonderful Lilies in cultivation. The leaves are very long and broad, and the stems attain a height varying from seven to ten feet. The flowers are similar in color to Auratum, heavily spotted, but are much larger, the petals more overlapping and of greater substance.

**Mammoth bulbs..... Each, 25c; doz., \$2.50.**  
**Large bulbs..... Each, 20c; doz., \$2.00.**

### **Lilium Candidum**

This is the ever popular, fragrant, snow white, hardy garden Lily. It grows four to five feet high and blooms in the open ground in June. Our stock is imported from the Azores, the finest obtainable; should be planted early.

**First size. Each, 20c; doz., \$2.00; 100, \$1.50**  
**Second size. Each, 15c; doz., \$1.50; 100, \$10.00**

### **Tiger Lilies**

**TIGRINUM SPLENDENS** (Improved Single Tiger Lily)—Has very large flowers of excellent form; color orange-salmon, with dark spots; hardy and a free bloomer

**Mammoth bulbs..... Each, 15c; doz., \$1.50.**  
**Large bulbs..... Each, 10c; doz., \$1.00.**

**TIGRINUM FLORE PLENO** (Double Tiger Lily)—This is a magnificent lily of stately habit, bearing immense clusters of very large double flowers on tall, strong stems; color bright orange red, spotted with black.

**Mammoth bulbs..... Each, 30c; doz., \$3.00.**  
**Large bulbs..... Each, 20c; doz., \$2.00.**

### **Lilium Formosum**

**LILIUM FORMOSUM.** The best of the Longiflorums, being early, free flowering and free from disease.

**Mammoth bulbs..... Each, 20c; doz., \$2.00.**  
**Large bulbs..... Each, 15c; doz., \$1.50.**

#### **Lilium Longiflorum—Giganteum**

Of grand size and substance, superior to the Martaborum but forces a little later; especially fine for open ground

**Mammoth bulbs..... Each, 20c; doz., \$2.00.**  
**Large bulbs..... Each, 15c; doz., \$1.50.**

#### **Lilium Longiflorum—Multiflorum**

Much like the Lilium Harrisii, not quite so early, but the flowers are of better substance. When grown in the open ground they bloom in June and July. Can be planted in the Spring or Fall.

**Mammoth bulbs..... Each, 20c; doz., \$2.00.**  
**Large bulbs..... Each, 15c; doz., \$1.50.**



**LILIES--Continued****Lilium Speciosum**

No words can overstate the brilliant beauty of this charming class. Its six broad white, or pink petals thickly dotted with rose or carmine spots, and the graceful form, brilliant color and exquisite fragrance make this one of the most effective and desirable of the Lily family. They are profuse bloomers and last for days after being cut and put in water.

**LILY OF THE VALLEY****Extra Select Berlin Pips.**

One of the most satisfactory and charming Spring flowering plants, producing in profusion its delicate bell-shaped, delightfully fragrant, white flowers. Valleys thrive in any common soil, are perfectly hardy, and will succeed in shady situation. They can be left undisturbed in the open ground, where they will increase from year to year, and are most charming in beds or borders around the lawn. For outdoor planting and Winter forcing, pips and clumps are ready November to March.

**SELECTED PIPS**, for forcing indoors or planting outside. **Each, 5c; doz., 40c; 100, \$2.50.**

**STRONG CLUMPS**, for outdoor planting. **Each, 30c; doz., \$3.00.**

**NOTE.**—Clumps can only be sent by express or freight at buyer's expense.

**CALLA LILIES****Lily of the Nile**

**CALLA AETHIOPICA.** Our well known White Calla in its rare and stately beauty has few equals as a pot plant, and nothing is easier to grow. Plant one bulb to 6-inch pot, give an abundance of water, light and heat, and the result will be most satisfactory.

We offer dry roots (from September on), as they are superior for forcing and winter flowering purposes. They come into bloom quickly.

**First size bulbs**..... **Each, 15c; doz., \$1.50.**  
**Extra size bulbs**..... **Each, 20c; doz., \$2.00.**

**Arum Sanctum**

**THE BLACK CALLA**—A rare and interesting plant, grows well and flowers freely; always attracts much attention. **Each, 40c; doz., \$4.00.**

**NEW LILIAM MAGNIFICUM.** This new Lily is the most magnificent of the wonderful Speciosum Lilies. It is of the Rubrum variety, closely allied to Speciosum Melpomene, but of much richer color and grander size.

**Price, each, 40c; doz., \$4.00.**

**SPECIOSUM ALBUM**—Pure white, flowers freely.

**Mammoth bulbs**..... **Each, 30c; doz., \$3.00.**

**Large bulbs**..... **Each, 20c; doz., \$2.00.**

**SPECIOSUM RUBRUM**—White with dark rose spots.

**Mammoth bulbs**..... **Each, 25c; doz., \$2.50.**

**Large bulbs**..... **Each, 20c; doz., \$2.00.**

**SPECIOSUM RUBRUM MELPOMENE**—White, shaded rich blood crimson, heavily spotted; very rich and showy.

**Mammoth bulbs**..... **Each, 25c; doz., \$2.50.**

**Large bulbs**..... **Each, 20c; doz., \$2.00.**

**Washingtonianum  
(Mt. Hood Lily)**

A beautiful Lily, native of Oregon; flower large, of open form, white, tinted with lilac; grows 3 to 5 feet high; very fragrant.

**Choice bulbs**..... **Each, 25c; doz., \$2.50.**



Lily of the Valley

**Calla Elliotiana**

**YELLOW CALLA.** The finest of the yellow Callas, growing to perfection under ordinary pot culture. Treat same as White Calla. Flowers are a deep rich golden yellow, 4 to 5 inches in diameter, and last a long time after opening. Foliage is a beautiful deep green, spotted silvery white; a grand novelty. **Price, each, 50c; doz., \$5.00.**

# IRIS

**M**AGNIFICENT plants for the garden. They bloom profusely and are exceedingly showy and fragrant. The colors are brilliant and cover a wide range of different shades and combinations. In the open ground they are perfectly hardy, increase rapidly and make a magnificent display either in clumps or in borders. They do best in rich moist soils. If soil is light, depress the beds a little below their surroundings; this helps to collect and hold the moisture. Plant in the fall or early spring.

## Spanish Iris

Spanish Iris is the most useful and satisfactory Iris to grow, requiring no unusual condition or treatment to insure success, growing to perfection in any good garden soil. They are vigorous and hardy, early and free blooming, keeping well when cut; can also be forced easily, being great favorites with florists.

**Spanish Iris comes in the most delicate and beautiful shades and colors, from white, through dainty blues to lavender, dark blue, pure rich yellow, etc. Bulbs are inexpensive and we urge you to plant freely.**

Blooms in early June two weeks before the English variety. The varieties listed are best of their colors.

**BLANCHE FLEUR**—A grand white flower of great substance. The best white for forcing or outdoor culture.

**CAJANUS**—A magnificent tall golden yellow, free blooming, good keeper; best yellow Iris in cultivation, either to force or grow outside.

**COUNT OF NASSAU**—The finest dark blue Iris.

Has an agreeable honeysuckle perfume.

**KING OF THE BLUES**—Finest of the dark blues.

**LOUISE**—A beautiful shade of light blue, large, splendid flower.

**EMPEROR**—A splendid new light yellow of great merit.

**DARIUS**—A pleasing light blue—earliest of all.

**FINEST NAMED VARIETIES.**

Each 3c; doz., 30c; 100, \$2.00

**MIXED, SELECT, ALL COLORS.**

Each, 3c; doz., 20c; 100, \$1.50

## German Iris

German Iris is one of the best of the early spring flowers, is hardy everywhere, and if planted in a moist situation or watered freely, will produce magnificent orchid-like blooms of great size and delightful fragrance. Comes in charming color effects in blues, browns, yellows, purples, white.

**PALLIDA DALMATICA**—Extra large, lovely true lavender, delightful fragrance, free flowering, fine for massing or as a cut flower.

**FLORENTINE ALBA**—White.

**CELESTE**—Satin blue.

**SPECTABILIS**—Violet purple.

**SHAKESPEARE**—Bronze violet.

**MARS**—Light yellow and cream.

**CHOICE ROOTS** Each, 15c; doz., \$1.50; 100, \$10.00.

## English Iris (Iris Anglica)

English Iris is almost as large as the Japanese variety and also comes in a marvelous range of colors and variegations, is extremely hardy, growing 18 inches to 28 inches high, coming into bloom just before the Japanese Iris. Like all Iris a moist situation is preferred, but any good soil will grow them splendidly. Plant 3 to 4 inches apart. English Iris is one of the best for naturalizing.

**MOUNT BLANC**—Largest and finest. Pure white. Each, 6c; doz., 60c; 100, \$4.00.

**ASSORTED COLORS, 10 BEST VARIETIES.**

Each, 4c; doz., 40c; 100, \$2.50.

**MIXED** Each 3c; doz., 30c; 100, \$2.00.



German Iris

## Japanese Iris (Iris Kaempferi)

Japan Iris is the largest and most wonderful of the Iris family, no flower of any kind surpassing its rare beauty of form, brilliancy and variety of coloring, ranging from snow-white through maroon, violet and deep blue; striped, variegated, veined and blended in the greatest profusion, producing effects that are truly marvelous and indescribable. Blossoms early summer. Japan Iris succeeds best in a moist location, but will thrive in any good garden soil. Plant three inches deep, about 4 inches apart; divide the clumps every two years. Fertilize established beds while dormant using stable manure, but do not apply after growth starts. There are hundreds of varieties, from which we have selected the following:

**GEKKA-NO-NAMI**—Dense pure white, yellow blotches.

**HO-O-JO**—Ruby crimson, primrose blotches, surrounded with white halo.

**HANA-NO-NISHIKI**—Brilliant claret red, penciled white, purple orange blotches.

**SOFU-NO-KOI**—White splashed, blotched and speckled sky-blue, primrose blotches.

**SHIMOYO-NO-TSUKI**—White, yellow blotches at base of petals; 6 large petals.

**UJI-NO-HOTARU**—Purple overlaid with sky-blue, orange blotches, 3 petals.

**YEZO-NISHIKI**—Deep rich crimson, mottled and blotched white, 3 standards same color.

**YOMO-NO-UMI**—Lavender blue; distinct and beautiful; 6 petals.

**KUMA-FUNJIN**—Purple overlaid with navy blue, 2 standards, very large orange blotches.

**KUMOMA-NO-SORA**—White, with a strongly marked sky-blue zone and mottled in the same shade.

**KUMO-ISHO**—Purple, margined gray, yellow blotches, surrounded with velvety crimson.

**KUMO-NO-OBI**—Dark lavender purple, large handsome flower, 3 petals.

**NAMED VARIETIES.**

Each, 20c; doz., \$2.00; 100, \$15.00

**MIXED, GOOD ASSORTMENT.**

Each, 15c; doz., \$1.50; 100, \$10.00.





## DAHLIAS

**T**HE NEWER TYPES OF DAHLIAS are considered to be the most wonderful and interesting of all flowers, having the widest range of colors in every shade and variation with the one exception of blue, and appear in more varied and marvelous forms than any other class of flowers.

FOR AUTUMN FLOWERS, nothing equals Dahlias. They are easily grown, requiring no special soil or treatment and bloom profusely until cut down by frost.

IN THE SELECTION OF DAHLIAS only those varieties of known merit should be considered. The great Dahlia Specialists of Europe and America have set a high standard, established by their years of comparative trials and you will have greater satisfaction, and better values from their tested varieties which we offer, and which have been officially recognized, than you can possibly obtain from untried varieties of doubtful origin.


OUR TRIALS ARE VERY EXTENSIVE and are conducted by a practical Dahlia expert of wide experience. All tests are made in the field without irrigation and the Dahlias we list represent the "survival of the fittest" the best of the standard varieties and meritorious novelties of the most famous producers, varieties that are recognized the world over. They are true to name, erect bloomers and good keepers.

IT IS IMPORTANT that your Dahlias be recognized varieties and **true to name**. If not, you cannot hope to exhibit them successfully.

## CULTURE

**D**AHLIAS will grow to perfection in any good garden soil, preferably one that contains a little sand. Plant as soon as the frost is gone and the ground warm, cutting the tuber to a singiestrong eye, and placing it on its side at a depth of about 6 inches, in ground that has been previously well cultivated. An excellent way to start Dahlias is to sprout the tuber in a green house and set out the rooted plants. These are generally believed to give more and better flowers, but is more trouble than planting the bulbs. Rows should be four feet apart, plants 18 inches to 3 feet apart in the row, depending on whether planted for a hedge or for specimen plants. Cultivate thoroughly until ready to bloom, then deep tillage must cease and only the surface be lightly stirred, as deep cultivation at this time is fatal to blooming. Tall varieties should be staked.

If you use commercial fertilizer, do not apply until the plant starts growth, then work it into the top soil, 5 or 6 inches from the plant. Bone meal is an excellent fertilizer for Dahlias but must be applied early, as it is slow in action. When the plant is well up, say 6 to 10 inches, pinch off the top, leaving 2 or three joints. This will cause it to branch out into a more sturdy, bushy growth. Water freely.

 <b>PRICES</b>	15c	DAH LIAS	\$1.50	dozen;	20c	Dahlias	\$2.00	dozen;	25c	Dahlias	\$2.50	dozen
	35c	DAHLIAS	\$3.00	dozen;	40c	Dahlias	\$4.00	dozen;	50c	Dahlias	\$5.00	dozen

## NEW DAHLIAS OF SPECIAL MERIT

### PRINCESS JULIANA

**New White Decorative.**

**PRINCESS JULIANA** originating in Holland received a special award of merit at the Royal Horticulture Society's show in London, 1910, and is the most beautiful and useful white Dahlia; flowers are pure white, of perfect form; foliage is rich dark green. A splendid grower and profuse bloomer, the magnificent flowers carried on long, strong stems, will keep for four days when cut. **Plants or tubers, each, \$1.00**

**VATER RHEIN**—Cactus—Handsome flowers, color a rich yellow suffused with salmon red, vigorous and free flowering. **Each, 35c.**

**DELICE**—Lovely shade of pink, broad petaled flowers with large stiff stems, very floriferous. **Each, 25c.**

**WODAN**—Cactus—Magnificent flowers of largest size and pleasing form, color orange rose shading to old gold center, very vigorous. **Each, 35c.**

**LE GRAND MANITOU**—(Decorative)—Immense perfect flowers, color a white ground splashed and striped with deep violet red; the first variegated Dahlia in the decorative class. **Each, 40c.**


**GELBER PRINZ**—Cactus—A grand new yellow of Marechal Neil shade, a color never before obtained in a Dahlia. Flowers are extra large, of graceful form, full centers, carried on large stems and keep better than any other Dahlia, both cut and on the bush. **Each, \$1.00.**

**JOHN PEEL**—Cactus—A deep rich crimson with lighter suffusion toward center; a distinctive form of true Cactus type, a splendid keeper, with fine stems. **Each, 75c.**

### New "MIGNON" Dahlias

A New Dwarf Type of Single flowered Dahlias growing to a height of about 14 inches. Plants are bushy and symmetrical and produce in the greatest profusion brilliant large flowers of fine substance, borne on long stiff stems high above the foliage. They make a grand garden display and are long keepers when cut. Mignon Dahlias originated in Holland and were awarded 5 first-class certificates and 5 awards of merit at Amsterdam. We offer in four colors, **Brilliant Orange, Velvety Crimson, Yellow and Violet.**

**Price, each, 35c; doz., \$3.00.**

 **1913 Novelties will be selected later and appear in our General Catalog, as the blooming season is not advanced enough at this writing to determine their merits.**

## 10 New Cactus Dahlias

### Rare Novelties of Real Merit that Will Surprise and Delight You

**T**HIS collection, introduced in Europe in 1911, excels any lot of Dahlias we have ever seen, and is the best value in rare new Cactus Dahlias that has been offered. They are all erect growers, free bloomers, and good keepers when cut.

**Price: Entire collection, 10 varieties, \$3.00; single plants or roots, each 40c, postpaid.**

**MODELL**—A beautiful clear waxy yellow, with a delicate plum blush sheen over tips of petals; a dainty, lovely flower of large size, perfect form, petals incurving, erect on long stems; one of the best bloomers and most vigorous growers ever produced.

**MAUVE QUEEN**—A beautiful true lavender with lighter center, full flower with finely quilled petals beautifully formed, incurved.

**OTHELLO**—A glorious full, large flower of deepest richest crimson, center almost black; finest true cactus form; one of the earliest.

**VULCAN**—A brilliant fiery vermillion, or orange scarlet, a veritable "hedge of fire," one of the most profuse bloomers, rivalling the Countess of Lonsdale. Vulcan is the ideal hedge Dahlia.

**GENOVEVA**—An elegant distinctive flower of a pale canary yellow, with a beautiful faint greenish tinge suffusing the entire flower, which is large, with well filled incurving petals.

**DORNROSCHEN**—A most unique and remarkable Dahlia coming in variable shades, carmine to brilliant red, shading to delicate pinks with blush suffusions; a dainty, perfectly formed, fully double flower; long slender petals, beautifully incurved and quilled; large and free blooming; long stems, erect; compact bush.

**DESEDEMONA**—An exquisitely beautiful, daintily formed flower. The central shade is a lovely creamy canary shading to white at the ends of the slender, in-curved petals; flowers very full, erect, borne on long stems.

**LILY SEISMAYER**—A rare shade of deep orange buff, with rich light yellow center; a very unusual and beautiful combination.

**HARMONIE**—A fine full flower, chamois yellow center, outer petals a soft salmon red with lighter tips.

**WEISSE DAME**—A valuable new white of splendid form; large, full, petals curved and twisted.

## FINEST CACTUS DAHLIAS

From comparative tests in the field we have selected the following as being the best of their types and color. This list contains many of the new Dahlias as well as the best of the older ones.

Write for Prices by the Hundred.

### Red

**BERLICHENGEN**—New, deep crimson-carmine; brighter at tips; of the finest form and substance; a true cactus type of rare beauty; very floriferous. **Each, 25c.**

**BURBANK**—Deep rich cardinal red, of finest form and substance, full and free blooming; best of its color. **Each, 25c.**

**MATCHLESS**—Dark rich crimson. **Each, 20c.**

**PROGENITOR**—Bright carmine; fringed petals, new variety of great beauty. **Each, 20c.**

**ROLAND VON BERLIN**—A fine scarlet of great brilliancy, flowers full and erect; long stems; one of the best. **Each, 35c.**

**ROTHER**—Dark rich crimson, very early and free flowering, of vigorous erect habit; bush rather dwarf; flowers of the largest size; perfect cactus type. **Each, 20c.**

**SIGNAL**—Brilliant crimson scarlet; height 24 inches; flowers large, of fine form; free blooming. **Each, 35c.**

**DR. JAMESON**—A pleasing dark purplish red, petals rather broad; good, free blooming, desirable Dahlia. **Price, each, 25c.**

**DREADNAUGHT**—A giant flower, of graceful form, full, with fine claw-shaped petals; color, deep crimson maroon; a good keeper and splendid flower for exhibition, being the finest of its color and class. **Price, each, 40c.**

### White

**FAIRY**—Beautiful clear white, narrow petals, fine form; one of the best; try it. **Each, 25c.**

**LAWINE**—Fine large white, faint blush tint, erect, free-flowering; extra good. **Each, 35c.**

**SCHWAN**—The giant blooms of a pure glistening white with their narrow, twisted petals have a beauty and elegance not surpassed by any other variety. Blooms early. **Each, 35c.**

### Pink

**UNDINE**—Lovely light lavender pink of dainty form; a free bloomer. **Each, 25c.**

**SABA**—Bright true pink; a finely formed flower, petals rather broad. **Each, 25c.**

**BRITTANIA**—Beautiful salmon-pink. **Each, 25c.**

**COUNTESS OF LONSDALE**—Rich, rosy-salmon, very floriferous; one of the best. **Each, 15c.**

**PINK PEARL**—Deep rich pink; fine form. **Each, 20c.**

**KRIEMHILDE**—Blush-pink; a prize winner; one of the finest new Dahlias. **Each, 20c.**

**HELENE**—Delicate, clear pink, with rich creamy center, a beautiful flower on very long stems and the greatest bloomer of all. **Each, 35c.**

### Yellow and Shades

**GOLD REGEN**—True cactus type, twisted petals, deep bright yellow; long stiff stems; a splendid flower. **Each, 50c.**

**CAPSTAN**—Orange-scarlet and apricot; one of the finest for cut flowers; dwarf-habit, free-bloomer, large perfect flowers. **Each, 15c.**

**MASTER CARL**—Bright amber, of giant size and perfect form, immense petals, gracefully curved; free-blooming, distinctive. **Each, 35c.**

**MISS DOROTHY OLIVER**—Pale primrose yellow; long narrow petals; fine form. **Each, 35c.**

**STERN**—Odd and beautiful; star shaped; pure lemon-yellow flower; best yellow. **Each, 35c.**

**PRINCE OF YELLOWS**—Splendid lemon-yellow, free-blooming, finely formed. **Each, 20c.**

### Variegated Shades

**ASCHENBRODEL**—Orange-pink, distinct coloring; of great beauty of form, vigorous, free-flowering; one of the finest. **Each, 25c.**

**RELIABLE**—A blending of yellow, brick-red and salmon; truly a grand flower. **Each, 25c.**

**EFFECTIVE**—Chamois rose, yellow shadings. **Each, 25c.**

**COMET**—Extra large, silvery rose, marked crimson, a very free bloomer, of good habit. **Each, 25c.**

## New Paeony Flowered Dahlias

A list of the best varieties, including the most recent introductions.

THIS newest type of Dahlia, originating in Holland, comes to us with the endorsement of all Europe. The blossoms are semi-double, of enormous size and the coloring is most brilliant and beautiful. They come in several pleasing forms generally with 3 to 5 rows of petals, which are long and broad, sometimes being beautifully curled and twisted.

Paeony Dahlias bloom more freely than any other class and are very vigorous, growing to a height of 5 to 6 feet, with their flowers on long stems above the foliage.

### New Paeony Dahlia CAESAR

**CAESAR**—New. This is the finest yellow of the Paeony section, a magnificent semi-double, clear bright yellow, flower of perfect form, borne erect on long stems; a vigorous grower and free bloomer. Height, 4 feet.

Price, each, 50c.

### Germania

A rich, dark, velvety wine color with a suffusion of golden-yellow toward the edges of petals. Germania is free from the purplish tint that spoils other reds.

Plants or tubers.

Each, 35c.

### Geisha

Geisha has a rich, bright golden yellow ground color near center; suffused and heavily marked with clear bright red, shading toward points of petals into the clear yellow of the ground color; a beautiful deep golden center adds to the harmony of the color scheme which is the most striking and brilliant ever seen in a Dahlia. The immense flowers often attain a width of 10 to 12 inches, and the massive petals are twisted and curled in the most fantastic manner.

Each, 50c.

### Giant Edelweiss

This new type of Dahlia has true cactus petals of enormous length, curving inward at the tips; color a pure glistening velvety white, of great substance; the center is a brilliant golden yellow, forming a most striking contrast, producing a perfect duplicate of the famous Edelweiss of the Alps, on a gigantic scale, hence its name.

For vigor of growth, free blooming and perfection of individual flowers, we have never seen its equal. Flowers from 6 to 8 inches across on long stems borne high above the compact bush, which grows 4 to 5 feet.

Strong flowering roots or plants in season, each 50c.

### P. W. Janssen

A magnificent Dahlia of splendid form and distinctive coloring, being a lovely shade of old rose, marked and suffused with deep, rich golden yellow, a rare and beautiful combination. Extra fine.

Each 35c postpaid.

### Queen Wilhelmina

Large, pure white, central petals beautifully twisted and curled; very vigorous and free flowering; one of the finest garden Dahlias:

Plants or tubers.

Each, 35c.

### Glory of Groenekan

Extra large flowers of finest form. Color a splendid golden orange. Strong grower; free-flowering.

Plants or tubers.

Each, 35c.

**ANDREW CARNEGIE**—Salmon pink, shaded bronze, extra large

Each, 35c.

**BERTHA VON SUTTNER**—Salmon pink, shaded yellow, erect, elegant form.

Each, 35c.

**BARON G. DE GRANCEY**—Creamy white, long stems, good habit.

Each, 35c.

**DR. K. W. VAN GHORKOM**—White shaded rose, free blooming.

Each, 35c.

**H. HORNSVELD**—Enormous soft salmon pink flowers.

35c.

**HUGO DE VRIES**—Brownish orange, open form.

3 ft., 50c.

**QUEEN EMMA**—Lovely pink.

Each, 35c.

**KING LEOPOLD**—Cream yellow to white Large long stems, good.

Each, 35c.

**LA RIANTE**—Deep pink flowers, long stems, good keepers, distinct garden variety of great value.

Each, 35c.

**MANNHEIM**—Soft orange, fine form. 6 feet.

Each, 40c.

**MERVEILLE**—Orange yellow, of great beauty.

4 1/2 ft., Each, 35c.

**QUEEN ALEXANDRA**—Sulphur white, fine

4 ft., Each, 50c.

**SNOW QUEEN**—A fine, pure white, well filled flower, of pleasing form, free blooming, good stems. Height, 4 feet

Price, each, 35c.

## Decorative, Show and Fancy Dahlias

**KAISERIN AUGUSTA VICTORIA**—Magnificent white flowers, of immense size and perfect form, borne erect on long stems. Each, 35c

**LAVENDER QUEEN**—Clear, soft lavender; petals deeply serrated. Each, 15c

**MRS. ROOSEVELT**—A beautiful, delicate pink, of immense size, fine stems, perfect form, large and double, superb. Each, 35c

**A. D. LIVONI**—This grand old variety still remains the best pink of its type. Each, 15c

**DREER'S WHITE**—A magnificent white, of great purity, long stems. Each, 35c

**GRAND DUKE ALEXIS**—Finest large white. Nothing surpassing this magnificent Dahlia has ever been produced. Each, 35c

**LUCY FAWCETT**—Sulphur-yellow, flaked crimson. Each, 15c

**ORANGE KING**—Deep brilliant orange scarlet of finest form, full blooming. Price, each, 25c

**MAURICE REVOIRE**—Collarette—Large, rich maroon with heavy, pure white collar. Each 25c

**NAVAJO**—Rich, velvety red; splendid sort. Each, 20c

**SOUVENIR DE GUSTAVE DOAZON**—The largest Dahlia to date; often growing 9 inches in diameter; constant bloomer, magnificent rich scarlet color; the greatest of all Dahlias. Each, 25c

**MISS FRANCES FELL**—Decorative; white, lilac shading. Each, 20c

**MME. A. LUMIERE**—Pure white with violet red points, good. Each, 35c

**OPAL QUEEN**—A rare, new color; the same as the stone of that name. Each, 20c

**SYLVIA**—Splendid pink; floriferous; keeps well. A good dry weather Dahlia. Each, 15c.

**MRS. WINTERS**—Snow white, large beautiful form. Each, 20c

**FRANK SMITH**—Very dark rich red with light tips, variable; a fine full flower, good grower. Price, each, 25c.

**THOS. PENDRED**—Finest and largest of the pure yellows, a rich soft shade of golden yellow, perfect form, blooms freely and continuously, even in dryest weather. Each, 25c

### Pom-Pon Dahlias

These are pretty little globe shaped flowers, on long stems, high above the dwarf foliage, fine for border, keep well when cut.

**CATHERINE**—Purest yellow; large. Each, 20c

**DARKEST OF ALL**—Darkest pom-pon; perfect flowers. Each, 20c

**NERISSA**—Soft pink, silvery tint; a beautiful new color. Each, 25c

**VIVID**—Brilliant scarlet. Each, 20c

**BESSIE**—Creamy white, finely quilled. Each, 20c

**WHITE ASTER**—Fine pure white, fringed. Each, 20c

## BEGONIAS—Tuberous Rooted

FROM their early first blooming until cut down by frost, Tuberous Begonias display a mass of bloom of most gorgeous and brilliant coloring. They are distinct and unique, their giant flowers fully six inches in diameter, in wonderful shades of yellow bronze, white, reds, pinks, etc., with thick waxy petals and grand ornamental foliage, never failing to excite the wonder and admiration of all who see them. There are four types, Single, Double, Frilled and Crested.

**CULTURE**—The soil should be rich in leaf mould, or well-rotted manure, a little sand being beneficial. Start the bulbs inside in the early Spring, and transplant when danger of frost is past. They should be lifted in the fall before frost, dried and stored in sand in a cool place.

### Single Flowering

These are of immense size, erect, flowers of great substance, free blooming and very lasting. Come in eight separate colors, copper, canary, orange, crimson, rose, pink, white and salmon.

Price, each, 10c; doz., 85c; 100, \$6.00

### Crested

This remarkable strain comes in all the finest colors, and the flowers are as large as the largest singles. The petals, of great substance, carrying on their upper surface a crested formed cockscomb, which is a very attractive and interesting addition to the flower. Price, separate colors,

Each, 20c; doz., \$2.00; 100, \$15.00

### Double Flowering

Many charming effects are found in the double varieties, they being often as full and beautiful as a rose, some of the white varieties resembling giant carnations. Price, separate colors,

Each, 15c; doz., \$1.50; 100, \$10.00

A good way to start Begonias and Gloxinias is to put the bulbs on a layer of moss in a box or flat and cover with another layer. Keep moist, but not too wet; temperature about 70 degrees; this starts both top and roots, then pot for root development before transplanting out side.



Single  
Frilled  
Begonias

Our Begonias and Gloxinias come from Ghent, Belgium, where the finest bulbs are grown.

### Frilled

Single frilled Begonias differ from the plain singles only in having the heavy frill or fringe on the edges of the petals. The have the same range of color, handsome foliage and free flowering habit. Separate colors.

Each, 20c; doz., \$2.00; 100, \$15.00

### Mixed

OUR DIAMOND MIXTURE, containing all of above sorts. Per doz., \$1.50; 100, \$10.00

## CANNAS

WE are extensive growers of Cannas, and the following sorts are newer and better types that will give best results in our climate. Cannas require a rich, moist soil and should not be planted until all danger of frost is past. They are quick growers and the new flowering sorts bloom continuously until frost. Inexpensive, these charming, ornamental plants produce rich tropical effects that can not be excelled, and the grand new varieties offered are equally valuable for the beauty of their bloom. Let us know your requirements. We can supply the correct variety.

**Prices:** Except where noted, bulbs or plants, in season, each, 20c; dozen, \$2.00, postpaid.

**ALICE ROOSEVELT**—Deep crimson, compact green foliage; similar and superior to Alphonse Bouvier. Height 4 to 5 feet.

**ALLEMANIA**—Light green, compact foliage, orchid type of flowers, bright golden lemon center marked and spotted terra cotta; height 4 to 5 feet.

**BUCHARLAT AINE**—Deep scarlet, very large flower and spike.

**CARL LUTZ**—New. A splendid bright rich yellow of finest form; foliage, leathery and luxuriant, a fine upright grower and profuse bloomer. Height, 3 ½ feet.

**JEAN TISSOT**—Brilliant vermilion; green foliage; fine; 3 to 4 feet.

**KING HUMBERT**—In this grand new orchid-flowered Italian Canna we have a combination of the highest type of flower with the finest bronze foliage. Its mammoth flowers, in heavy trusses, are a brilliant orange-scarlet, with bright red markings, foliage is broad and massive and of a rich coppery bronze with brownish green markings; bold and effective; has no equal; 5 to 6 feet.

**LOUISIANA**—A strong, vigorous grower, producing a dense mass of glossy green foliage and vivid orange-scarlet flowers of mammoth size; Orchid type; height 4 to 5 feet.

**ROSEA GIGANTEA**—Finest of the new pinks, the rich, deep rose-colored flowers often measuring five inches across are borne in the greatest profusion, nothing finer has ever been offered; foliage green; 4 to 5 feet.

**MRS. KATE GREY**—Foliage green; flowers very large; rich orange-scarlet, marbled with red, yellow in the throat; 5 to 6 feet.

**W. E. COTTRELL**—Pink, suffused orange; foliage green, marginal brown; 3 ½ feet; fine.

Price, each 25c; doz., \$2.50

**Mlle. CHARLOTTE MONGEOT**—New. A free bloomer bearing mammoth spikes of large bright cerise pink flower; foliage, green; a vigorous, compact grower; one of the most satisfactory and attractive of the new cannas. Height, 3 ½ feet.

**PRESIDENT MEYER**—Large, rich, bright scarlet flowers; dark bronze foliage, 3 to 3 ½ feet; extra good.

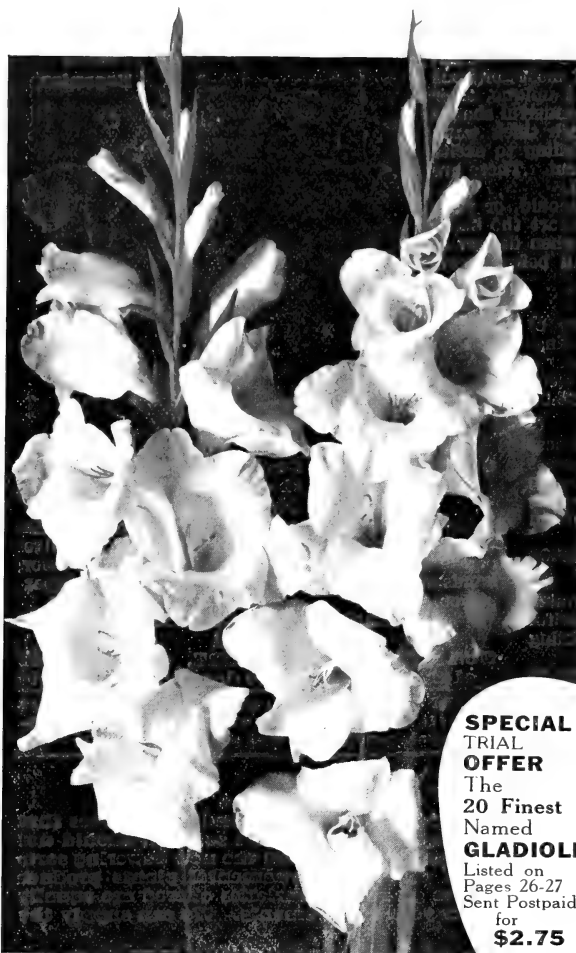
**WYOMING**—A grand orchid-flowering Canna, with deep bronze foliage and immense golden orange flowers, suffused with a blush of crimson; height 4 to 5 feet.

Price, each, 25c; doz., \$2.50

**RICHARD WALLACE**—Light canary yellow flowers of extra large size and good substance, free blooming, vigorous; green foliage; one of the best of the grand new flowering cannas; 4 feet.

**WM. SAUNDERS**—Deep fiery crimson, flowers borne freely on large spikes; foliage, bronze green; compact; vigorous grower. Height 3 to 4 feet.

# GLADIOLI



**SPECIAL  
TRIAL  
OFFER**  
The  
20 Finest  
Named  
**GLADIOLI**  
Listed on  
Pages 26-27  
Sent Postpaid  
for  
**\$2.75**

**THE** newer types are of immense size and exquisite coloring, their grace and attractiveness, ease of cultivation and freedom of bloom is making them universal favorites. They come at a season when there are few other flowers and everyone should grow them.

**CULTURE**—Gladioli may be planted as early as the ground can be worked or as late as June. A sunny situation is preferred. Plant to a depth of 3 to 6 inches, depending on the size of the bulb. Largest bulbs are not always best, as some varieties do not produce large bulbs. Any garden soil will give satisfactory results, but if well enriched, cultivated and freely watered when buds first show, Gladioli will amply repay you for this additional care. If cut when the first bud opens and put in water, the flowers will open perfectly, keep for many days, and the coloring is richer, and more delicate than if left to open on the plant.

## New Giant Ruffled Gladiolus

**A distinctive novelty  
of genuine merit**

Ruffled Gladioli have broad, expanded flowers, paired and faced the same way, borne on strong stalks, 3 ½ feet high, from 4 to 8 flowers open at the same time; petals are exquisitely ruffled and fluted, giving the flower a refined, graceful appearance.

**"GLORY"**—Color a delicate cream pink tint with an attractive crimson stripe in the center of each lower petal. The shade is new and the flower is indeed a glorious beauty.

**Price, each, 20c; doz., \$2.00**

## 12 Rare and Beautiful New Gladioli

**SPECIAL**—Entire Collection 12 Bulbs, \$2.25, postpaid.

**AMERICA**—Exquisite shade of flesh pink tinted lavender. The most popular Gladiolus.

**Price, each, 15c; doz., \$1.50**

**CONTRAST**—Intense scarlet with pure white center; one of the grandest, most attractive new flowers.

**Price, postpaid, each, 35c; doz., \$4.00**

**PRINCEPS**—Giant flowers of richest, most brilliant crimson, with fine white blotch on lower petal; the most striking and beautiful of the newer Gladioli; a great favorite with florists.

**Price, each, 20c; doz., \$2.00**

**DAWN**—An elegant rose-colored flower with large, clear white center, a most beautiful new Gladiolus.

**Price, postpaid, each, 25c; doz., \$2.50**

**WILD ROSE**—Bright rose or blush tint, of rare beauty; large, free-flowering; forces well.

**Price, each, 25c; doz., \$2.50**

**BLUEJAY**—The only true blue Gladioli; a dark indigo shade; very popular.

**Price, postpaid, each, 20c; doz., \$2.00**

**BLANCHE**—A splendid large white flower with but faint markings. One of the best.

**Price, each, 20c; doz., \$2.25**

**HARLEQUIN**—White-striped and suffused with rich dark crimson.

**Price, each, 25c; doz., \$2.50**

**CANARY BIRD**—A pleasing bright yellow.

**Price, each, 15c; doz., \$1.50**

**MRS. FRANCES KING**—A pleasing light scarlet; fine for forcing.

**Price, each, 15c; doz., \$1.50**

**NUMBER 97**—New. An unnamed seedling of a pure glistening white with small carmine mark; flowers are of fine form on strong, straight spikes.

**Price, each, 15c; doz., \$1.50**

**GOLDEN QUEEN**—New. Bright cream, with clear cut diamond blotch of carmine; does not fade; a wide open flower of fine quality.

**Price, each, 15c; doz., \$1.50**



For new **RUFFLED GLADIOLI** and Other 1913 Novelties See General Catalog ready Jan. 1st

## GLADIOLI—Continued

## Select Named Gladioli, Best of Their Color

SPECIAL—Collection of 8 Varieties, 70c Postpaid

**MAY**—Lovely pure white flowers of finest form, with edges flaked crimson

Price, each, 10c; doz., \$1.00

**MME. MONERET**—Grand spikes of large delicate rose flowers, with deeper shadings; A fine cut flower.

Price, each, 10c; doz., \$1.00

**AUGUSTA**—Lovely pure white; blue anthers.

Price, each, 10c; doz., \$1.00

**ATTRACTION**—Deep crimson, white center.

Price, each, 15c; doz., \$1.50

**I. S. HENDRICKSON**—Large, beautiful flowers, mottled, white and pink; variable.

Price, each, 15c; doz., \$1.50

**BRENCHLEYENSIS**—Rich vermillion, shading to scarlet.

Price, each, 10c; doz., \$1.00

**KLONDYKE**—Light yellow, crimson maroon blotch.

Price, each, 10c; doz., \$1.00

**SUPERB**—Enormous pink, flaked and striped salmon.

Price, each, 15c; doz., \$1.50

## Mixed Gladioli

**DIAMOND MIXTURE**—Select named varieties with choicest Childs Hybrid.

Doz., \$1.00; 100, \$5.00

**GLADIOLI CHILDSI**—Of grand size and color, very showy, containing a large per cent of red and dark shades.

Doz., 75c; 100, \$4.00

**GLADIOLI FINE MIXED**—This mixture will produce a large variety of fine flowers unequalled for the price.

Doz., 50c; 100, \$3.00

**GLADIOLI GROFF'S HYBRIDS**—A mixture of Hybrids of all sorts, giving in one bed the greatest range of colors and variations.

Doz., 50c; 100, \$4.00

**GLADIOLI LEMOINEI**—Mostly light shades, odd and fantastic markings. Brilliant and showy.

Doz., 50; 100, \$3.00

## Caladium

**Esculentum**—(Elephant's Ear) Grand tropical looking plant. A favorite for specimens on the lawn, or for bordering large sub-tropical groups. In deep, rich soil, if freely watered, they produce enormous leaves, frequently four feet long by three feet wide. Plant in the spring. Height, 4 to 5 feet.

Each, 25c; doz., \$2.00

## Tritoma—(Pfizeri)

**Everblooming Flame Flower or Red Hot Poker**

This new sort is of a rich orange scarlet, blooming from mid-summer to latest fall; spikes 3 to 4 feet high; one of the very best of this useful class, which is hardy with slight protection, but winter best if lifted and stored in sand. These hardy perennials are unsurpassed as border plants or for mass effects.

Strong flowering roots 25c; doz., \$2.50 prepa

## Mastodon Pansies

**FOR** years the Steel Pansy Gardens have grown our Giant Pansies and co-operated in securing the finest strains from the world's most celebrated growers. These have been carefully reselected and bred up to their present surpassing excellence, and for giant size, substance, form and coloring we have never seen Pansies to compare with them. Named varieties and special strains are grown separately and the seed collected by hand and carefully blended into what we believe to be the finest mixture ever offered. Plants in season.

## "Mastodon Pansies" in Bloom

From March until June we offer our famous "Mastodon" Pansy plants in full bloom—none finer in the world. Put up one dozen in a basket.

Price, 60c to \$1.00 per basket by express, buyer to pay charges. You will not be disappointed in these.

## Giant Pansies

**NEW GIANT PANSIES**—Our Giant Plants are in a class of their own and can not be compared to any other Giant Pansies, no matter where grown. We know that their equal is not produced in this or any other country. A trial basket will convince you. They are the best value ever offered in a bedding plant.

Each, 5c; per dozen, 50c; by mail, 75c dozen.



## MASTODON PANSY SEED

We offer a limited amount of this hand selected seed, DIAMOND MIXED.

Per pkt., 25 cents.

Large Trade pkt., \$100



## Annual and Perennial Bedding and Pot Plants

**WE** offer a select list of Bedding and House plants, beautiful and useful varieties that are easily grown. Fine, large, well rooted specimens that can be safely packed and promptly delivered in perfect condition. If you contemplate large plantings or special effects let us know your plans and requirements. We can supply in any quantity for any planting purpose at lowest prices.

### Hardy Perennial Garden Plants

Once planted require but little care and bloom with increasing beauty each year. Plants marked 15c, are \$1.50 doz.; 20c, \$2.00 doz.; 25c, \$2.50 doz.



**ANEMONE JAPONICA**—Beautiful fall blooming plants. Pink or white. 20c; 2 sorts 35c.

**ANCHUSIA ITALICA**—Tall growing hardy plant, with pretty blue flowers in large racemes. 20c each.

**ARABIS ALPINA** (Rock Cross) Low growing, fine for bordering. Covered in spring with white blossoms. 15c, each; \$1.50 per dozen.

**CAMPANULA**—New Double White—A dainty and beautiful flower, 2 to 2 1/2 feet high, bearing spikes of large snow white, prettily formed, fully double blossoms. Pinch off the old flowers and the plant will bloom continuously. One of the best border or bedding plants ever offered. 25c, each.

### Perennial Phlox

Hardy as an oak, increasing in beauty each year, few things are as beautiful and satisfactory. The marvelous new colors, beautiful foliage and easy culture, make this choice flower one of the most desirable. We offer the following fine collection, which we have grown. PRICE, each, 15c; doz., \$1.50

**R. P. STRUTHERS**—Tall, rosy carmine with claret-red eye; fine.

**EUGENE DANZANVILLIER**—Tall, lilac, shading white towards the edges; large white center.

**MRS. JENKINS**—Tall; the best tall early white for massing.

**VESEVIUS**—Medium; one of the new seedlings; pure red with bright purple eye; a dazzling color.

**SUNSHINE**—Dwarf; large, aniline-red with crimson-red eye and light halo.

**GEO. A. STROHLEIN**—Medium bright scarlet with crimson red eye; does not bleach.

**CARAN D'ACHE**—Medium; geranium-red with old rose shadings and white eye; very effective.

**MME. PAUL DUTRIE**—Tall; a delicate lilac rose, reminding one of the beautiful soft pink Orchids.

**ANTONIN MERCIÉ**—Medium; light ground color; upper half of each petal deeply suffused bluish-lilac, large white halo.

**SELMA**—Tall; large flower; pale rose mauve with claret eye.

**VON LASSBURG**—Medium; the purest white in cultivation, individual flowers larger than any other white.

**COREOPSIS, Golden Sunbeams**—Beautiful golden-yellow flowers on long stems; always in bloom; fine for cutting. 15c. each.

**SHASTA DAISY, Alaska**—This new "Shasta" is covered with immense fluffy white blooms, with golden eyes, from July until late fall; long stems; fine for cutting; one of our best hardy border plants. 20c. each.

**DORONICUM**—Early spring flowering Marguerite-like yellow flowers. Fine border plant. 20c. each.

**CANTERBURY BELLS**—Pink, white, blue, large clumps. Each, 20c; doz. \$2.00.

**ENGLISH PRIMROSES**—Finest sorts, from pure yellow to deepest crimson-maroon; early, low-growing, fragrant. 20c. each.

**GAILLARDIA GRANDIFLORA**—Splendid large flowers; combination coloring of yellow, brown, crimson, orange; height 2 feet; bloom until frost; fine for cut flowers; hardy everywhere. 20c. each.

**HELIANTHUS SPARSIFOLIA**—Superb new single sunflower of striking beauty; blooms late in the season. A real gem among hardy plants. We especially urge you to give this a trial. 20c. each.

**HOLLYHOCKS, New Double**—Red, yellow, pink white. 15c. each, 4 for 50c; large clumps, each, 25c; doz., \$2.00.

**PLUMBAGO LAIPENTEA**—Fine edging plant growing four inches high and covers all summer with sky blue flowers. 15c. each, \$1.50 per dozen

**POPPY ORIENTAL**—Immense rich orange scarlet flowers. 20c. each.

**RUDBECKIA, Golden Glow**—Bears in greatest profusion immense, double blooms, large as Dahlias, of the brightest, golden yellow; hardy everywhere. 15c. each.

**RUDBECKIA NEWMANI**—(Black-eyed Susan)—Golden yellow ray petals around a dark center. Fine cut flowers. 15c. each.

**DELPHINIUM BELLADONNA**—(Larkspur)—Grand garden plants; light blue flowers. 25c, each.



**CONSUL H. FROST**—Medium; pure red with bright French-purple eye.



**Yucca****SPANISH BAYONET OR ADAM'S NEEDLE—**

Has a fine appearance; the stems grow two or three feet above the ground; covered with large, bell-shaped flowers on laterals, forming a perfect pyramid; valuable for rockwork.

**FILAMENTOSA**—Thread leaved, creamy white; July. **Plants, 2 feet, each, 75c to \$1.00**

**Bleeding Heart**

**SPECTABILIS.** One of the most ornamental of hardy spring flowering plants, with elegant green foliage and long, drooping racemes of heart-shaped flowers. This is deemed one of the finest of all hardy garden plants.

**Strong roots. . . . . Each, 30c, postpaid.**

**New White Bleeding Heart**

**SPECTABILIS ALBA.** A splendid novelty for conservatory or cool greenhouse. If planted outside, must be placed in a sheltered position. A pure white, free-blooming, beautiful variety of great value.

**Strong roots. . . . . Each, 50c, postpaid.**

**Pampas Grass**

A noble ornamental grass, easily grown, producing long, pointed leaves and majestic, silvery white plumes, which are very valuable for winter decoration; grows 6 to 8 feet high.

**Strong roots, each, 60c to 75c**

**Large specimen plants, \$2.00 to \$5.00**



Pampas Grass

**St. Johns Wort - Clump**

Low growing with yellow blooms; a drought resister. July and August. **Clumps, 50c**

**Popular Bedding Plants**

**During the months of April and May we have thousands of the following hardy bedding plants, price per dozen by express at buyer's expense.:**

<b>Alyssum</b> . . . . . \$ .30	<b>Daisies</b> . . . . . \$1.00	<b>Lobelia</b> . . . . . \$ .30	<b>Phlox</b> . . . . . \$ .30
<b>Asters</b> . . . . . .30	<b>Forget-Me-Not</b> . 1.00	<b>Marigold</b> . . . . . .30	<b>Salvia</b> . . . . . .50
<b>Carnations</b> . . . . . .60	<b>Geraniums</b> 75c to \$2.00	<b>Mignonette</b> . . . . . .50	<b>Stocks</b> . . . . . .30
<b>Cosmos</b> . . . . . .30	<b>Heliotrope</b> . . . . . .50	<b>Petunia</b> . . . . . .50	<b>Verbena</b> . . . . . .30
		<b>Pansies</b> . . . . . .50	

**For description of these flowers, see Flower Seed Department of our General Catalogue**

**Water Lilies**

**THESE** beautiful and interesting plants can be easily grown in tubs

made by cutting a barrel in half and setting one or both halves deep in the ground, to within a few inches of the top. Put in good loam soil, with one-third old manure, or better still is the soil from a swamp or lowland, using one-third of old well-rotted manure; cover soil with a layer of sand one to two inches deep, allowing for a depth of six inches of water.

Water Lilies like a mild temperature, and still water, and will not succeed where a fountain is playing or where there is a strong or cold inflow.

**NYMPHAE**—Hardy white.

**Single roots, 35c, postpaid**

**Large roots, 75c to \$1.50, prepaid**

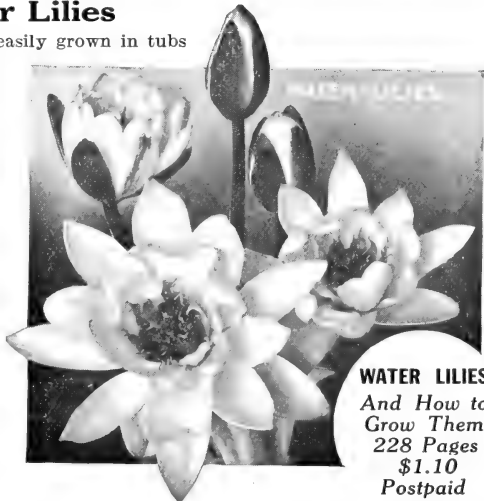
**NYMPHAE**—Hardy yellow; fragrant.

**Single roots, 50c, prepaid**

**Large roots, \$1.50, prepaid**

**Parrots Feathers**

Produces long trailing sprays of lovely green, finely cut foliage set in symmetrical whorls; plant in a water tight vase or hanging basket, keeping water standing over the surface. A beautiful, thrifty growing, hardy plant. Try it. **Good roots, each 25c; doz., \$2.50.**



**WATER LILIES**  
And How to  
Grow Them  
228 Pages  
\$1.10  
Postpaid

**SEND FOR OUR SPRAY CALENDAR—IT'S FREE**



## Paeonies

**T**HE development and increase in popularity of the Paeony has been unparalleled among flowers, and the profusion and duration of bloom, combined with handsome, massive foliage, accommodating habit, and easy culture, render them one of the most popular, hardy plants grown for lawn and garden decoration.

Paeonies are always free from disease and insects do not bother them. They are hardy, thrifty growers, bloom freely, and nothing will add more to the beauty and attractiveness of a lawn.

### Paeony Moutan (Tree Paeony.)

Grows about four feet high forming a small, tree-shaped shrub. When this plant becomes well established and is covered with dozens of massive blooms, it presents a magnificent display. We have **Crimson, Pink, Scarlet, Rose and Variegated.**

**STRONG IMPORTED ROOTS,** from January to May, by express at buyers' expense (too heavy to mail). **Each, 75c**

## Paeonies

### Double Herbaceous

#### New—Baroness Schroeder

**(KELWAY)**—We offer true stock of this rare Paeony, the most beautiful and desirable of English introductions.

Color in bud is a lovely, delicate flesh pink, bleaching to white when fully expanded, extra large massive flowers; true stock is scarce and we can supply but a limited number of field grown roots, 2 to 3 shoots. **Price, each \$2.50**

**FESTIVA MAXIMA**—This superb variety is easily the most popular and valuable Paeony. Its flowers, of rare beauty and great size, are perfectly double, pure white, tipped or flaked with a small crimson spot at center; petals fine as summer silk; finest white in cultivation; strong roots. **Price, each, 75c**

**Large specimen plants, \$2.00**

**OFFICINALIS RUBRA**—Flowers of a bright scarlet crimson; quite double and globular; very early, rare and fine. **Price, 30c**

**OFFICINALIS ALBA**—Blossoms with Officinalis Rubra flowers, large and handsome. When Alba first opens it is light pink, fading to white as flowers get older. **Price, 30c**

**GOLDEN HARVEST**—Nearest approach to yellow; shows some pink while in bud, but as soon as it opens, turns to a creamy yellow, with a few red tips; a fine free bloomer and a grand flower; mid-season. **Price, 60c**

**MAD. DE VERNEVILLE**—Broad outside petals, sulphur white, with center rosy white, sometimes edged carmine, and beautifully imbricated; an exceptionally fine full flower, with the sweet fragrance of the rose. One of the earliest. **Price, 50c**

**OFFICINALIS ROSEA**—Beautiful bright pink globular flowers, blooms with Officinalis Alba and Rubra. These splendid early bloomers produce fine flowers for Decoration Day. **Price, 30c**

**SOUVENIR DE L'EXPOSITION**—Large full flower of a lovely light cherry red. **Price, 60c**

**COURONNE D'OR**—A superb white flower of immense size, reflects yellow, center petals bordered carmine, a perfect flower of great beauty, very fragrant, free blooming and vigorous; late. **Price, 75c**

**DELACHEI**—Large full flower of a deep rich crimson, purplish tone; a free blooming thrifty grower, very fragrant; medium to late. **Price, 35c**

### FLORAL TREASURE—

Lovely salmon pink tinged greenish heart, large full flower, light green foliage; a free bloomer and a fine cut flower. **Price, 60c**

**SOUVENIR DE L'EXPOSITION**—Large full flower of a lovely light cherry red. **Price, 60c.**

**MAGNIFICA**—Truly a magnificent paeony; color a beautiful rich pink; a thrifty, free blooming and desirable kind. **Price, 40c**

**QUEENS PERFECTION**—One of the finest of the creamy flesh whites, large, full and attractive. **Price, 75c**

## Eremurus

**HIMALAICUS**—A rare and noble bulbous plant from the Himalayan Mountains, grow 4 to 8 feet high, bearing racemes 2 feet long, of lovely pure white flowers as large as a half dollar. Plant about 8 inches deep and protect the young shoots which start early, a few inches of leaves or some light mulching will keep frost from injuring the tips. **Price, strong flowering roots, \$1.00 each; doz., \$9.00**



# GERANIUMS

THE popular demand for Geraniums has encouraged us to provide an ideal collection of superb new varieties which we know will be appreciated by our customers. To repeat the words of a famous grower, "We believe in Geraniums." They grow beautifully throughout the year, making cheery house plants, and are our finest bed and border plants. No other flower has a wider range of usefulness.

## 10 Rare New Single Geraniums

Price: 15 c. each; set of 10 sorts, \$1.25.

**BELLEROPHON**—One of the freest blooming single scarlet bedding varieties; rich, glowing scarlet, crimson maroon shading on upper petals.

**EDWARD MOLLIN**—Bright rich shade of apricot salmon; valuable acquisition to a color in which good varieties are scarce; blooming freely, strong, healthy constitution and splendid habit.

**GABRIEL MONTOYA**—A most distinct and striking shade of reddish purple; large, round, full flowers; immense trusses; free flowering; strong, robust grower and grand habit.

**HALL CAINE**—Brilliant orange scarlet, suffused rose; a unique and charming self color, flower of giant size; grows well, is free blooming and desirable either as bedding or pot plants; one of the finest Geraniums ever grown.

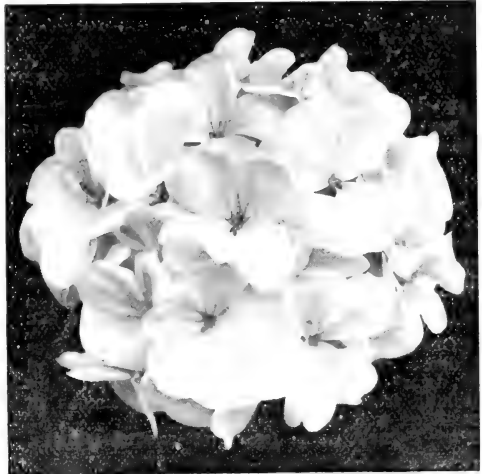
**MAXINE KAVOLESKI**—Odd shade of orange red; very distinctive, splendid bedder, vigorous, handsome, a dependable sort.

**JUSTE OLIVER**—A peculiar and pleasing shade of carmine purple, upper petals shaded fiery red; magnificent trusses of well-formed flowers produced on long stems.

**MME. MOSNAY**—Beautiful shade of Geranium lake; upper petals shaded violet to a white center; flowers freely produced in enormous trusses; clean, strong, robust, healthy growers.

**MAD. CHAPOTAN**—Delicate light pink; large flowers of good habit, nice foliage; specially desirable as a pot plant.

**MME. J. CIBIEL**—A magnificent variety; enormous trusses of large florets; the center of each petal is a soft light salmon bordered with rosy salmon; habit exceptionally strong and vigorous.



SNOW-DROP

**SNOWDROP**—Pure snow white; enormous trusses; perfectly formed flowers, held well above the beautiful foliage.

## 10 Rare New Double Geraniums

Price, 15c. each; set of 10 sorts, \$1.25.

**EDMOND BLANC**—Semi-double; deep carmine, red tinged violet, with large white eye. We have found this to be one of the finest new sorts out.

**DR. PHILIPPE TISSIE**—Robust grower; large trusses borne on long stems; light crimson, shaded through mauve to grand white center. Beautiful and striking.

**FLEURE BLANC**—Color pure white; very large handsome, rich green foliage, zoned with dark green; growth dwarf, vigorous and compact.

**GENERAL GRANT**—Bright vermillion scarlet; full, round florets, borne in large trusses on long stems.

**JAMAIQUE**—Grand, large trusses of enormous flowers of rich cherry red.

**MME. BARNEY**—A splendid deep pure pink, of a lively shade and grand habit of growth.

**MME. CHARLOTTE**—Clear, distinct, rosy salmon shading lighter toward the outer edges—a combination that is pleasing and attractive.

**MME. LANDRY**—A distinct salmon pink, with a slight shading of scarlet; habit semi-dwarf, vigorous; broad, heavy, deep zoned foliage.

**ORNELLA**—A magnificent new variety, which we are confident will meet every requirement of a semi-double scarlet Geranium, either as a pot plant or a bedder. The color is so intense scarlet as to dazzle the eye.

**SUZANNE DESPRES**—Large semi-double flowers, white bordered tender rose.

## Geraniums for Pots and Bedding

### SIX FINE SINGLE GERANIUMS

Price, postpaid, 10c. each; set of 6 sorts, 60c.

**GERTRUDE PEARSON**—Flowers bright pink, upper petals shaded to white.

**JACQUERIE**—Rich, vivid crimson; immense trusses.

**LEON PERRAULT**—Brilliant scarlet, of the most dazzling shade; very large trusses and florets.

**MRS. J. M. GARR**—Trusses large and of perfect form; color pure snowy white.

**MRS. A. BLANC**—Light salmon, blended with darker shades; center and edge of petals pure white; extra fine.

**SAM SLOANE**—An extra fine velvety crimson w. roon carrying immense trusses.

### SIX FINE DOUBLE GERANIUMS

Price, postpaid, 10c. each; set of six sorts, 60c.

**FRANCIS PERKINS**—The finest pure pink variety we know of.

**JOHN DOYLE**—Very large and full trusses of double bright, velvety scarlet flowers.

**LA FAVORITE**—Trusses very large; flowers pure snow white.

**MME. JAULIN**—A truss of grand size, delicate pink, bordered with pure white.

**S. A. NUTT**—The best of the rich, dark crimson varieties; trusses massive.

**THOS. MEEHAN**—Rich various rose color, upper petals marked with orange.



**WE** offer a splendid list of Ferns, including some of the newest varieties as well as the older sorts. All plants are in fine growing condition, and well rooted. Florists wishing stock of the new varieties write for prices.

### Nephrolepis or Boston Ferns

**N. AMERPOHLII**—This charming "Lace Fern" is so finely "crested" as to have a fluffy lace-like appearance that makes it the most beautiful and attractive "sport" that has yet been developed from the Boston Fern. The growth is rather dwarf and bushy, making an ideal plant for house or table decoration. **Price from 4-inch pots, 60c**

**N. SCHOLZELI**—The crested Scott Fern. Makes a dense, compact growth; is finely crested and of dwarf habit; stands erect with gracefully arching fronds making beautiful specimens in small as well as large plants. **from 4-inch pots, fine well-rooted plants, 60c postpaid.**

**BOSTON FERN**—This is the original and well known type of "Sword Fern", so popular as a hardy house plant. **Nice plants, each, 20c; large plants, each, 35c to 50c; specimen plants, \$1.50 to \$3.00.**

**SCOTT FERN (NEPHROLEPIS SCOTTII)**—Identical with the original Boston type, but is dwarfed with a more compact and bushy habit of growth. **Price, from 4-inch pots, 60c postpaid.**

**OSTRICH PLUME FERN (NEPHROLEPIS WHITMANI)**—One of the most wonderful and beautiful introductions of the present age; this new sort is a sport from the well known Boston Fern; has a beautiful feathery appearance, and is one of the grandest of decorative house plants. **Nice plants, 20c to 35c each; specimen plants, \$2.50 to \$3.00.**

**SUPERBISSIMA**—The most unique and distinctive fern. Color a deep rich green, very dense and erect habit; foliage finely cut and crested; succeeds splendidly under almost every condition and is a very desirable table decoration. **Price from 4-inch pots, nice plants, 60c.**

### New and Popular Ferns

**ASPARAGUS PLUMOSUS (CLIMBING LACE FERN)**—A finer and more delicate plant than the Sprengerii, but hardy and easily grown; very satisfactory for window and house culture; the fronds retain their freshness for weeks when cut; fine for floral decorations.

**Nice plants, each, 15c; large plants, 25c to 50c.**

**ASPARAGUS SPRENGERII (EMERALD**

**FEATHER)**—Handsome and valuable evergreen trailing plant for the house or conservatory; its beautiful sprays of lovely green, feathery foliage can be cut freely.

**Nice plants, each, 15c; large plants, 35c to 50c**

**BIRDS NEST (ASPLENIUM NIDUS AVIS)**—

A rare and beautiful fern with broad outer leaves; center curiously formed like a nest; color is deep green; an attractive pot plant for exhibition. **Well-grown specimens from 4-inch pots, \$1.50, postpaid.**

**MAIDEN HAIR (ADIANTUM CROWEANUM)**

—This is the hardy Maiden Hair Fern so valuable to florists for cutting, and must not be confused with the older sorts that cannot be successfully handled; this fern grows freely under almost any condition inside, and if you have not been successful with "Maiden hair" ferns as a pot plant try this one; it is a sure grower. **Good plants from 4-inch pots, \$1.00 postpaid.**

**FOR FERN DISHES**—Attractive assortments, sufficient for 5 to 6 inch pans. From 75c to \$1.00, postpaid.

### Japanese Fern Balls

**DIRECTIONS FOR STARTING**—Place ball in water for 15 minutes, and then suspend in any desired position, or place in a shallow dish; repeat every two days until growth is started, after which sprinkle occasionally as required. They need very little sun.

**Price of Balls in dormant state, large size, each 75c; small, 50c.**

### SPECIAL—Six Fine Table Ferns for \$1.00

**Price 20c. each 6 sorts for \$1.00.**

**ADIANTUM CUNEATUM**—Maiden Hair Fern. A very beautiful and graceful fern.

**ASPIDIUM TAUSSIMENSE**—Without question the most valuable of all ferns yet introduced for fern dishes; of strong but dwarf and graceful habit.

**BOSTON FERN**—See description above.

**Extra large plants 40c. each.**

**CRYPTOMIUM FALCATUM** (The Holly leaved fern).—One of the most desirable; with hardy, dark green foliage.

**Pteris CRETICA ALBO-LINEATA**—A pretty and useful variegated variety, distinctly showing the clear white variegation.

**OSTRICH PLUME**—See description above.

**We can supply any of the above in all sizes from 2 ½ inch pots up to large specimen plants. Prices, from 35c; to \$3.00 each.**

# Palms and Ornamental Plants



**P**ALMS lend to their surroundings an atmosphere of elegance and completeness, and with proper care will thrive in any home, making the most magnificent and useful decorative plants.

**CARE OF PALMS.**—Good garden loam, with a little sharp sand, is the best soil for palms, and good drainage is of first importance—do not keep a palm too wet. If you set the pot in a jardiniere put something under the pot to let the water drain through. Never let the water stand around the bottom of the pot. Water thoroughly but let it drain off, then when the soil begins to look dry give another good wetting. It is important to keep the soil of any pot plant moist—clear through—but not wet like mud. One other important point: Soil must have light; palms and some plants would do well without strong light, but the soil would soon sour and fail to nourish them, therefore, when not actually in use keep them as near the windows as possible, but not in the hot sun.

Bone meal is the best fertilizer; a tablespoonful to a 7-inch pot is a good portion. Dig well into the soil Apply when new growth shows. Do not repot as long as they are doing nicely. And when you do, transfer gently to the larger pot and fill the soil around the roots, disturbing them as little as possible. Palms do best in comparatively small pots. Shower them with water twice a week and should they show signs of scale, wash with strong soap and water or kerosene emulsion (a pound of soap melted with a half pint of kerosene thoroughly stirred into it). Dilute this with ten parts of water and apply with a cloth or brush.

## Palms

### Choice Palms for Table and House Decoration.

**PHOENIX ROEBELII**—A new and graceful miniature "Phoenix" fully equalling in beauty the Cocos Weddelliana, and having the advantage of being as hardy as the Kentia. Of vigorous, bushy growth, with dark green recurring foliage. An admirable house plant. **Price, choice plants from 4-inch pots, 60c to \$1.00.**

**KENTIA BELMOREANA**—A beautiful, handsome looking, strong growing Palm with deep green, crisp foliage; inclined to dwarf and spreading habit; one of the most popular for house culture, as they are very hardy. **Small plants, 50c to 75c. Large plants, 18 inches up, \$1.50 to \$5.00 and up.**

**COCOS WEDDELIANA**—The most graceful of all Palms; finely cut foliage of rich deep green; we have fine plants of this most desirable Palm, well established in 4-inch pots, 5 to 7 leaves. **Each, \$1.00. Nice specimen plants, \$2.50 up.**

**LIVISTONIA ROTUNDIFOLIA**—A miniature fan leaved Palm, having almost a globular form in well grown specimens. Beautiful for table; thrive well in the house. **Price, from 4-inch pots, 75c.**

**THRINAX RADIATA**—An attractive graceful species with palmate leaves narrowly divided. **Price, from 4-inch pots, 75c.**

## Japanese Palms

**Livistonia Chinensis** (See cut No. 4)—The most popular Palm for decorative work, for apartments or conservatories; leaves large, fan shaped, of a rich dark green color; handsome, graceful and quick growers, 12 to 18 inches. **Each, 75c to \$1.00**

**Cycas Revoluta, Sago Palm** (See cut No. 1)—These are magnificent plants, of noble and majestic habit, and most impressive; very valuable for both lawn and house decorations; they have a thick trunk, and their heavy, glossy, deep green pinnate leaves resist alike the gas, dust and cold to which decorative plants are frequently exposed; fine plants, large trunks, with well branched leaves at the top, 18 inches and up.

**Each, \$3.00 to \$5.00 and up**

**Chamaerops Excelsa** (See cut No. 3)—Leaves fan shaped, deeply cut; one of the hardiest Palms we have and worthy of extensive culture; very ornamental, a symmetrical grower and has very handsome palmate leaves.

Choice plants, 18 inches and up, **each \$1.50 to \$3.00**

**Chamaerops Fortunei** (See cut No. 2)—A handsome Palm, similar to the above, more dwarf in growth and with smaller leaves; we import the Chamaerops, Livistonia and Cycas Palms from Japan.

Choice plants, 18 inches up, **each \$1.50 to \$3.00**

**Rhapis Humilis**—Rare ornamental Palm with slender, graceful leaves; very handsome and attractive; an excellent decorative variety, requiring very little sun. **Each, \$2.50 to \$5.00**

## Dracaenas

### Umbrella Plant

**Cyperus, Umbrella Plant (Alternifolia)**—A splendid house plant of easy culture; resembles a palm; requires little or no attention, and remains green throughout the year. Keep well watered.

Small plants, postpaid, **each 15c to 25c.**

Large plants, by express, **each 35c to \$1.00.**

**D. INDIVISA**—This is the popular hardy Dracaena that is used so extensively for centers of vases, baskets, boxes, etc. Of graceful form, and stands full exposure to sun. 4-inch pots, **35c** 5-inch pots, **each, \$1.00.**

**D. FRAGRANS**—Foliage broad, color, rich dark green; makes a splendid house plant; requires no special attention. 5-inch pots, **each \$1.00.**



**WE** offer only the best of the standard varieties and the newer sorts that have been tested in field trials. You will find them true to name and as represented. We number among our customers the most successful rosarians in the Northwest, and if you entrust your rose order to us you can feel assured that there will be careful selection and no substitution. If you do not find what you want in this catalog, write us. We can supply many varieties not listed.

### Abbreviations

**T.—TEA**—One of the best classes of roses, and truly ever blooming. They are hardy in this section, frequently wintering without any protection, although during our coldest weather and in cold sections they should be protected with a covering of fir boughs, straw or burlap.

**H. P.—HYBRID PERPETUAL**—The hardiest of all roses, vigorous in growth and easy of culture, producing large flowers, fine in form and fragrance.

**H. T.—HYBRID TEA**—Most of these are as free flowering and as constant bloomers as the teas, and are hardier, but, as a rule, not so hardy as the H. P.'s.

### PLANTING AND CARE

In our favored section Roses attain a perfection seldom equalled, but you can not expect them to thrive and bloom unless you care for them.

**SOIL**—Any good, well-drained garden soil enriched with fertilizer will give excellent results. If heavy clay soil mulch well with burnt earth and manure, rotted sod or leaf mold.

**WATERING**—When setting out, water regularly until roots are well set; then about once a week unless the ground is very dry; in such cases more often. Do not get the foliage wet after a hot day. This causes mildew.

**SHIPPING**—We always send all our two-year-old rose bushes charges collect by express or freight, packing them so they will keep safely, even though they should be on the road for two weeks or more.

If necessary, we can send small two-year-old bushes by mail at an additional cost of 7c each to cover postage, but in such cases we always prune the tops and roots ready for planting.

We offer the following simple suggestions.

**FERTILIZER**—Our odorless commercial fertilizer, Bone Meal, Tankage or Blood will give excellent results, and should always be applied after the plants starts its growth.

**FINALLY**—Keep the surface well worked around the roots. This is as necessary as water or fertilizer.

When planting cut back freely, and the bush will recover quickly.



**FOR ALPHABETICAL, CLASSIFIED LIST OF ROSES, SEE PAGE 41.**

## Beautiful Roses of Recent Introduction

Ten magnificent new roses imported direct from famous Irish and Continental growers.

**SPECIAL**—One each of these ten grand new roses, \$12.00 prepaid.



JULIET

**JULIET**—H. B.—A magnificent new rose, the color being a wonderful combination of old gold on the outside of petals and a rich rosy red on the inside. Flowers are large, full and delightfully scented. The foliage is luxuriant and beautiful. Juliet is a vigorous and abundant grower, and the most pleasing and distinctive novelty ever offered. We have an extra choice, though limited stock of large, field grown, two year-old plants.

**Price, each, \$2.00**

**SUNBURST**—H. T.—The finest of all yellow roses with long pointed buds carried singly on good stems. Flowers large, full and of most beautiful form, color a superb Cadmium yellow with orange yellow center. The foliage is a handsome bronze green; a vigorous grower and good both as a forcing or garden rose.

**Price, each, \$2.00**

**EDWARD MAWLEY**—H. T.—Flowers large and full, of finest form, with beautiful, long pointed buds, color deep rich velvety crimson which does not fade, flowers keep well when cut; growth is vigorous, upright and branching, with handsome foliage. Edward Mawley is one of the finest red roses ever offered, being a decided advancement in its class. Two-year-old field-grown plants.

**Each, \$2.00**

**"How to Grow Roses"** By the Rev. Spencer S. Sulliger sent free to those who plant roses.



## TEN NEW ROSES—Continued



**LADY ALICE STANLEY**—This grand new gold medal rose is large, very full and of splendid crimson; petals shell shaped, pointed, giving perfect form to the flowers, which are a lovely deep coral, inside pale flesh, deliciously fragrant and are very lasting. A free grower and a profuse and constant bloomer. **Each, \$1.00**

**RAYON D'OR**—Pern. Flowers are large, full, open freely, keep well and are borne in greatest profusion. Buds long pointed of deep orange cadmium smeared claret, opening to a rich sunflower yellow which does not fade. Foliage is deep glossy green, strong growing, free branching and absolutely free from the attack of mildew. This splendid new Rose, a cross between Melanie Souper and Soliel D'Or is producing a greater sensation than was caused by Lyon, both these wonderful varieties originating from the same source. **Price, each, \$1.50.**

**MRS. CHAS. E. ALLEN**—H. T.—A delightful garden rose of a delicate and novel coloring, opening a pale orange and changing to ochre as the flower opens. Buds are long, pointed, and flowers are full on good stems, flowers freely, every shoot producing a bloom; a vigorous grower and one of the finest garden roses ever introduced. **Price, each, \$2.00**

**COUNTESS OF SHAFTESBURY**—H. T.—A splendid new pink of the most ideal type of Hybrid Tea; flowers are large, perfect in form and produced in the greatest profusion. The color is a bright, silvery carmine mottled and flushed shell pink, giving a picotee effect; a fine exhibition rose, being a Gold Medal winner and the best pink rose, for massing or garden. **Price, each, \$2.00**

**LADY HILLINGDON**—T. Deep apricot yellow, long and pointed bud, a fine forcing or garden rose, excellent for cutting. Flowers are of good substance, very lasting and foliage handsome and luxuriant. Lady Hillingdon is considered the best decorative roos in its class. This aristocratic beauty is a seedling from Papa Gontier and Madame Hoste. **Each, \$1.25**

**MRS. FRED STRAKER**—Orange crimson changing to silvery fawn as flower opens; reverse of petals pale pink; a good garden rose; erect and vigorous. **Each, \$1.00**

**ETHEL MALCOLM**—H. T.—Ivory white becoming pure white as flower opens, with pale pink shading in center; very large, free bloomer; vigorous. **Each, \$1.00**

## 12 RARE AND BEAUTIFUL ROSES

Price except where noted: Large, 2-year-old plants, 75c each. The entire collection, 12 distinct varieties, only \$7.00.

**DUCHESS OF WELLINGTON**, H. T.—Color, deep saffron and copper yellow stained crimson, free flowering, very beautiful in the bud state.

**FLORENCE EDITH COUTHWAITE**, H. T.—Deep cream stippled bright rose on inside of petals; large, full and of the finest form.

**MRS. LONGWORTH**—H. T. A very prettily striped sport from "Caroline Testout," with very narrow stripes and splashes of pale flesh.

**MRS. AARON WARD**—One of the most delightful roses of recent years in a color that catches the eye at once—a deep golden orange color shading out to lemon or creamy yellow at the edge of the petals. Some describe the Rose as an Indian yellow. The buds are cupped and very deep, showing the glowing heart to the best advantage. Flowers very large, very full, of exquisitely refined form. One of the most beautiful Roses in existence.

**JONKEER J. L. MOCK**—A magnificent and unique Rose. Inside of petals red, outside silvery bluish white. Of fine form, good substance and largest size. A strong, rapid grower. This rose has been awarded eight prizes at the recent European shows. **Price, \$1.00.**

**MRS. ARTHUR WADDELL**—A strong rampant growing Hybrid Tea Rose, with foliage that is ornamental in itself. Large, long pointed buds of a bright rosy scarlet opening into a finely formed flower of a rich apricot or salmon color.

**VISCOUNTESS ENFIELD**—H. T. A fine, large, elongated bud, opening to a full flower of cup form; color, coppery old rose shaded yellow, deep carmine center, sometimes splashed yellow. Foliage rich green, tinged brown. Vigorous, erect, branching habit; free and continual bloomer. **Each, 75c**

**COMMANDER JULES GRAVERAUX**—H. T. Fiery crimson, lightly shaded velvety maroon, purple in the center, a seedling of "Druschki," which it is said to greatly resemble in habit, growth and foliage. Buds are long and spiral. Come singly, and upright on the stems; vigorous erect and free blooming. No one-year plants. **Each, 75c.**

**ELIZABETH BARNES**—H. T. Satiny salmon Rose with fawn center, suffused yellow, outside of petals rosy red, tinted copper and yellow; flowers large, full and freely produced. **Ea. 60c.**

**GEO. C. WAUD**—Orange vermillion; large and full; erect and very free.

**GLOIRE DE CHIDANE GUINOISSEAU**—Brilliant vermillion red; large and full; finely formed; a grand rose.

**HIS MAJESTY**—Dark crimson shaded deep vermilion crimson towards the edges. Large, full and very free; deep broad petals, with high pointed center; one of the sweetest perfumed roses. A vigorous grower carrying its flowers upright.



## Superb Garden Roses

An incomparable collection suitable for garden or exhibition. Large field grown, two-year-old plants. Prices, 50c each; \$5.00 doz., except where noted.



**MARQUISE DE SINETY** H. T.—Golden orange shading to fiery red, large double flowers, of good form, very beautiful and attractive. A splendid garden rose for summer blooming; vigorous and hardy. One of the grandest of the new roses.

**LE PROGRESS**—H. T. Nankeen yellow, opening to saffron yellow; large, full and cupped, opening freely; a grand rose always in flower.

**MAD. SECOND WEBBER**—H. T. Pure, rosy salmon, vivid center, large, full and perfectly formed flower, flowering freely and continuously on stiff erect stems.

**MY MARYLAND** (H. T.)—Beautiful bright pink, with paler edges; delightfully fragrant; robust grower and very free flowering; flowers full and good keeper. This is the most popular rose novelty of the day, and best pink of its color; specially fine for florists, as well as being one of the grandest garden roses.

**WHITE KILLARNEY**—The finest ever-blooming white rose for cut flowers. The long pointed buds are of ideal form, petals purest white and heavy wax-like texture, remaining a long time in bud. Flowers are full and beautiful when open and are very lasting.

**EDU MEYER**, H. T.—Rich coppery yellow shaded orange and red, buds long and pointed. Flowers full, of fine form and are born freely.

**JOSEPH HILL**, H. T.—Salmon Pink shaded yellow. Outside petals yellow suffused copper, a grand free blooming rose of large size and most elegant form.

**MRS. E. G. HILL**, H. T.—Outside of petals lovely shade of deep coral, inside delicate bluish white. Large, full and free blooming, a splendid rose for gardens or cut flowers.

**GUSTAV PIGANEAU**—Brilliant carmine; flowers large and opening well; very free and constant.

**MADAME MELANIE SOUPERT**—H. T.—Splendid new orange yellow shaded pink; beautiful long-pointed buds, large size, free blooming; a strong, upright grower; best of its color.

**PRINCESS MARIE MERTCHERSKY**—Flowers flesh flushed with carmine; large and full; very beautiful.

**W. R. SMITH** (T) (Maidenblush)—A superb new rose of American origin, producing elegantly shaped buds and open flowers of much beauty. Of an exquisite silvery pink color and sweetly perfumed.

**ROUGE ANGEVINE**—Rich bright red of fine form, a good grower and lasts well when cut.

**LYON (Pernetiana)**—The Lyon is a beautiful shrimp pink with salmon and chrome yellow shadings. Large coral red buds beautifully formed; full globular flowers of rare beauty; a continuous and free bloomer. Lyon is the "perfect rose," only one scoring 100 points. Gold medal and special certificate awards. **Price, 50c**

**DUCHESS OF PORTLAND** (H. T.)—One of the best Dickson introductions; a lovely pale yellow with thick leathery petals, full and perfect form; hardy, robust rose blooming earlier and more freely than "Kaiserin;" long stems; lovely in bud or flower, and a good keeper. Gold medal N. R. S. **Price 60c.**

**WM. SHEAN** (H. T.)—Pure bright pink, veined with ochre, large perfect form, pointed bud, of fine substance and a grand exhibition rose. Gold medal N. R. S.

**LADY ROBERTS** (T.)—Rich apricot, base of petals coppery red, edges of petals shaded orange, bud long and pointed very beautiful. Gold medal N. R. S. Be sure to order Lady Roberts.

**PHARISAER**, H. T.—Rose, shaded salmon, blooms freely, opens well, is large and of finest form. A free and constant bloomer.



### 3 New Single Irish Roses

**SPECIAL**—One each of three varieties, two-year old plants only, \$1.50.

**IRISH ELEGANCE**—Large single golden bronze flowers of great beauty, free and constant bloomer, with deep bronze foliage, making a most handsome and unique combination that for garden decoration cannot be excelled. Awarded gold medal N. R. S. **Each, 50c.**

**IRISH HARMONY**—Single, saffron yellow, heavily crayoned claret in bud, when expanded changes to creamy white; large, lasting floriferous; a vigorous grower, and good companion for Irish Elegance. **Each, 50c.**

**IRISH SIMPLICITY**—Almost single, pure white and of immense size. The great size and substance of the petals which are slightly cupped and the golden yellow anthers may readily bring to mind the comparison to a huge water lily. Vigorous grower with handsome deep green foliage. **Price, 75c.**

# 16 Grand Garden Roses

Large two-year-old field grown plants, each, 40c; dozen, \$4.00.

These splendid free blooming Roses are newer varieties that are becoming more plentiful and can be offered at a very low price. In this list you will find many famous prize winners and some of the most beautiful and popular roses.

**AVOCA**—(H. T.) Deep, scarlet, crimson flowers of perfect form; very fragrant; a fine exhibition or garden rose; vigorous, free bloomer.

**BETTY**—Beautiful coppery rose color, over spread with golden yellow. Deliciously fragrant, very large, fairly full and of glorious form. Superb decorative variety for the garden, fairly glows with brilliancy. One of the freest blooming Roses we know of.

**DEAN HOLE**—Beautiful silvery carmine, shaded bright golden pink; grand flowers of great substance, perfect in form; vigorous, free branching habit; continuous bloomer; one of the best exhibition roses. Gold medal N. R. S.

**DOROTHY PAGE ROBERTS**—H. T. Coppery pink, suffused with apricot yellow, very free and perpetual. A delightful garden rose.

**GENERAL McARTHUR**—Dazzling crimson scarlet, a grand American rose of ideal form, delicious perfume and magnificent foliage. Blooms continuously in great profusion, the grandest red rose for garden or cutting.

**HARRY KIRK**—H. T. Deep sulphur yellow, paler towards edges of petals, long pointed bud, moderately full; a fine garden rose.

**HUGH DICKSON**—Glowing crimson, shaded scarlet; large, full, perfectly formed, delightful perfume, strong grower, perpetual bloomer (should be cut back freely.) After careful comparative tests, we believe Hugh Dickson is the best hardy red garden rose to date.

**RICHMOND**—The most vivid of ever-blooming red roses, buds and flowers of the most perfect and desirable form. The best of its color.

**HON. INA BINGHAM** (H. T.)—Beautiful shade of bright pink, distinct in form and color, of good substance, highly perfumed; a hardy robust garden rose.

**J. B. CLARK**—H. T.—One of the finest of new roses. Its glorious flowers are intense scarlet, shaded blackish crimson, of giant size, finely formed and fragrant; growth vigorous and upright.

**JOHN CUFF**—H. T.—A deep carmine pink with yellow at base of petals; large, full, and very free; fine form; a vigorous grower.

**MME. LEON PAIN**—H. T.—A silvery flesh with yellowish orange center; very large and full; opens freely; vigorous.

**RHEA REID H. P.**—A new American rose which can best be described as being as red as a "Richmond," as large as an "American Beauty," with the fragrance of "La France," and blooms continuously, flowers being borne on long stems; very hardy and vigorous. Gold medal Paris, 1908.

**FLORENCE PEMBERTON** H. T.—Creamy white, suffused pink. Flowers very large and full of perfect form and wonderful substance. With out doubt one of the finest roses it has yet been our pleasure to offer.

**FREIHERR VON MARSCHALL**—From what we have observed of this variety during the past two years we have had it on trial, it will fill a long felt want. Color dark carmine with long pointed buds, the open bloom of large globular form and great substance. **Each, 50c.**

**MRS. DAVID JARDINE**—H. T. Delightful shade of bright rosy pink, shading in outer petals to salmon pink, large, perfect form, very highly perfumed; a grand rose.

## Favorite Hardy Garden Roses Two Year Old Field Grown Plants

Prices, each, 35c; \$3.00 per dozen unless otherwise marked.

**AMERICAN BEAUTY**—One of the largest, sweetest and best. Color, rich, rosy crimson, shaded and veined in the most charming manner.

**ANNA OLIVIER** (T.)—A splendid ever bloomer. Very beautiful in bud; flesh color shading to blush. Large and fragrant.

**BARONESS ROTHSCHILD** (H. P.)—Flowers of immense size; color bright, rosy pink.

**BELLE SIEBRECHT**—A true, solid pink of the richest shade, a rare color. The flowers are sweetly perfumed, and large, beautifully formed, of long, tapering shape, with high center, and when half blown the petals reflex in a graceful manner.

**BESSIE BROWN**—Color, pure white sometimes faintly flushed pink.

**BABY RAMBLER**—A dwarf Crimson Rambler not over 18 inches high, producing large trusses of light crimson flowers; clean dark green foliage; it will flower the year around.

**CAPTAIN HAYWARD**—Color, deep glowing red, flushed with crimson. A free bloomer; deliciously perfumed; large and handsome.

**CECILE BRUNNER**—Bright rose, yellowish in center; very sweet; dwarf polyanthus.

**CLARA WATSON**—H. T.—A bright salmon rose tinted peach, good form; a vigorous grower.

**CONRAD F. MEYER**—Beautiful silvery pink, of grand form and delicious fragrance, hardy in any climate, and the great beauty of its handsome foliage makes it most valuable for a flowering hedge.

**COUNTESS OF GOSFORD** (H. T.)—Clear salmon pink, base of petals shading to saffron yellow, very vigorous; perpetual bloomer; a grand bedding variety. **Each, 40c.**

**ETOILE DE LYON** (T.)—Blooms freely, and every flower is a gem, equaling the Marechal Neil in size. Very sweet scented; color, rich golden yellow.

**FRAU KARL DRUSCHKI**—The White American Beauty. Makes splendid buds and immense flowers; perfectly double and delightfully fragrant; large, thick petals; bright, shining green leaves, elegantly veined; a healthy, vigorous grower; and a constant and abundant bloomer.

**FRANZ DEEGAN**—This beautiful yellow Hybrid Tea is a fine grower, having dark leathery foliage and the good habit of throwing up numerous heavy canes, each one crownde by a glorious flower of large size.

**GENERAL JACQUEMINOT**—Bright, shining crimson; very rich and velvety.

**GLOIRE LYONNAISE**—Color, chamois yellow, deepest at the center, passing to creamy white; large, full, sweet and very distinct.

**GRUS AN TEPLITZ or VIRGINIA R. COXE**—Color, fiery crimson, with a dark velvety sheen, very fragrant. The freest blooming rose.

**KAISERIN AUG. VICTORIA**—A beautiful rose with elegant, large pointed buds and very large, full double flowers; color, delicate creamy white; deliciously fragrant. A strong, healthy grower and constant bloomer.

## Favorite Hardy Garden Roses—Continued

*Lady Battersea*



**KILLARNEY**—The new Irish Beauty. Color, an exquisite shade of deep shell-pink lightened with silvery pink. Buds are exceptionally long and beautifully formed, the open flower is graceful in the extreme. It has a delicate Tea Rose fragrance.

Should be in every collection.

**LA DETROIT**—A beautiful shell-pink shading in the center to a soft rose pink. Reverse of outer petals creamy-flesh tint, strong, healthy grower; prolific bloomer; delightful tea fragrance.

**LA FRANCE**—Both flowers and buds are of grand size; color, a silvery rose, changing to pink. A general favorite and the sweetest of all roses.

**LADY ASHTOWN** (H. T.)—One of the finest pinks of a rich, deep, silvery tone; flowers large, perfect form; free blooming; vigorous; Lady Ashtown is one of the finest blooming roses grown.

**LADY BATTERSEA** (H. T.)—This variety has long oval buds, sharply pointed, very striking in form. The color is a bright, cherry crimson; an unusually showy variety.

**MADAME PHILIPPE RIVOIRE** (H. T.)—Beautiful apricot yellow and Nankeen yellow center, reverse of petals carmine; large, full and globular, a splendid free blooming Rose. **Each, 40c.**

**MABEL MORRISON** (H. P.)—Of purest white; velvety in its appearance; petals thick and shell-shaped; very double and rounded.

**MAMAN COCHET**—This is one of the most beautiful new Tea roses we list. The color is a deep, rosy pink, the inner side of the petals silvery rose.

**MARGARET DICKSON**—Magnificent form; white, with pale flesh center; petals very large, shell-shaped, and of great substance; fragrant.

**MARIE VAN HOUTTE**—Of a fine, faultless straw-yellow color; outer petals washed and outlined with a bright, rosy carmine.

**MILDRED GRANT** (H. P.)—Delicate pale pink, shading to silvery white in center; grand giant variety of rare beauty; perfectly formed, pointed buds; full flowers of fine substance; a hardy, strong grower.

**MAD. ABEL CHATENAY**—Color, beautiful rosy carmine, with darker shadings. Very richly colored. One of our finest varieties, which should find a place in every rose garden.

**MADAME CAROLINE TESTOUT**—A grand rose of the La France type, but with flowers larger and finer. Color, bright satiny pink; very fragrant and free in bloom. The official "Carnival Rose."

**MADAME JULES GROLEZ**—A rampant grower, with very large full flowers of a magnificent satin rose color extra fine.

**MRS. JOHN LAING**—Very free flowering; color, a soft, delicate pink, with satiny tinge.

**MRS. R. G. SHARMAN CRAWFORD** (H. P.)—Lovely deep rose pink, outer petals shaded pale flesh, base white, a new and unique shade. Large perfect flowers, free blooming; a grand autumn rose.

**PAPA GONTIER**—Large and semi-double; a vivid cherry red color, shaded yellow, reverse of petals crimson. No other red Tea Rose can compare with it.

**PAUL NEYRON**—Deep, shining rose, double and handsomely formed; blooms freely, the largest variety in existence.

**PERLE DES JARDINS**—A clear, golden yellow, an indescribably rich and beautiful shade, and entirely distinct.

**PRINCE OF BULGARIA**—Very vigorous grower, with large, bright green foliage, beautiful form of bud, flower very large and full. The outer petals are extremely large, of superb rosy flesh color, center of flower bright red, very fine and very free.

**PRINCE CAMILLE DE ROHAN**—Very dark, rich velvety crimson, passing to intense maroon, shaded black; regarded as the best of its color.

**RAINBOW**—Buds and flowers of large size; color, a beautiful shade of deep pink, distinctly striped and mottled with brilliant crimson, elegantly shaded and toned with rich amber; very fragrant.

**SAFRANO**—Bright apricot yellow, tinged, orange and fawn.

**SOLEIL D'OR** (Pern.)—(**Golden Sun**)—The first of a new type and from which the wonderful Lyon Rose was developed. A perpetual bloomer, robust grower, brownish wood, foliage beautiful, bright green and scented. Flowers very double, most beautiful when full blown, a superb color, varying from gold and orange yellow to reddish gold and shaded with nasturtium red. Delightfully fragrant.

**SOUV. DE PIERRE NOTTING**—Very large, perfectly full, of elegant form; has a beautiful long bud; color, orange yellow, bordered in carmine rose. Stands in the very front rank as a producer of fine yellow roses.

**SOUV. DE PRESIDENT CARNOT**—Lovely shell-pink, delicately tinted with golden fawn on rich creamy white. Superb for bedding in open ground. Makes splendid buds for summer cutting.

**ULRICH BRUNNER**—A magnificent rose, extra large, bold flowers, full and globular; petals large and of good substance; color, rich, glowing crimson, elegantly flamed with scarlet.

**WHITE LA FRANCE**—This magnificent rose is a pure white La France, having just a breath of rose-tinted blush.

**WHITE MAMAN COCHET**—White, grand substance, immense size, exquisitely fragrant, and a free bloomer; buds long and pointed, keeping a long time when cut.

## CLIMBING AND PILLAR ROSES

Price unless otherwise noted, **35c each; \$3.00 per dozen.**  
 Strong field grown 2-year-old plants.

**AARDS PILLAR**—Rich velvety, crimson; fine large full flower, cupped form; a hardy, free-blooming, free-growing garden rose, of finest quality. **Each, 60c.**

**AMERICAN PILLAR**—**WICH.**—A beautiful bright pink with yellow anthers. The splendid large single flowers are borne in great clusters; the most popular pillar rose. **Price, each, 35c.**

**BEAUTY OF GLAZENWOOD**—Bronzed yellow or copper and fawn color. One of our grandest climbing roses. Very hardy and a free bloomer.

**CLIMBING BELLE SIEBRECHT** (C. H. T.)—Flowers identical with bush type; vigorous climber; hardy. **Each, 50c.**

**CLIMBING BRIDESMAID** (T.)—Beautiful pink; profuse bloomer.

**CLIMBING CECIL BRUNNER**—Strong rampant climber, ever-blooming clusters of pretty pink flowers, especially beautiful in bud state. A gem among climbing roses.

**CLIMBING KAISERIN** (Mrs. Robert Peary)—Flowers fine, ivory white, of heavy texture, and large size.

**CLIMBING LA FRANCE**—Identical with the well-known La France; vigorous climber.

**CLIMBING METEOR**—Rapid grower; rich, dark, velvety crimson flowers.

**CLIMBING MADAME CAROLINE TESTOUT**—Covered during the whole season with immense globular flowers of the same beautiful shade of pink as seen in the bush sort.

**CLIMBING PERLE DES JARDINS**—Of vigorous climbing habit; flowers golden yellow, of immense size.

**CLIMBING PAPA GONTIER** (T.)—A "Native Sport" from the favorite bush Papa Gontier.

**DR. VAN FLEET**—A new Hybrid Climber of great beauty, bearing freely. Large fully double blooms of a dainty flesh pink with rosy center, flowers of perfect form with reflex petals and are carried on long stems, making this a desirable variety for cutting. Foliage is luxuriant bronze green. A cross of Pres. Carnot and Wichuriana. **Select field-grown plants at 75c each.**

**GAINSBOROUGH**—Graceful flower of dainty shell pink color and satiny finish. Hardy, ever-blooming and a free climber.

**GLOIRE DE DIJON**—Noted for the great size of its flowers, its delicate tea scent, and its shades of color, being a blending of amber, carmine and cream. **Each, 35c.**

**LA MARQUE**—Flowers of good size, borne in large clusters; color, pure white.

**MADAME ALFRED CARRIERE**—Extra large, full flowers, very double and sweet, and a most profuse and persistent bloomer; color, rich, creamy white, faintly tinged pale yellow and bluish.

**MARECHAL NEIL**—A magnificent deep golden yellow variety; so famous as to need no description; grown the world over for its immense yellow flowers; the finest rose of its color in existence. **Choice Plants, Each 50c.**

*Duchess de Auerstadt*



**PILLAR OF GOLD**—Rich golden yellow suffused copper and pink. Flowers are full, of fine form and delightfully fragrant. They are borne freely in clusters of from 5 to 10. **Price, each, 35c.**

**REINE MARIE HENRIETTE**—A strong, vigorous grower; flowers large, full, and of fine form; color, glowing crimson, elegantly shaded.

**REVE D'OR (Climbing Safrano)**—Color apricot yellow, with orange and fawn tints; petals of superb and delicate texture.

**SILVER MOON**—A magnificent white climber, cross of Wichuriana and Cherokee, large, semi double blooms of good substance with golden stamens. Flowers are carried on long stems. Foliage is abundant, delightfully fragrant, of a bronze green color and is immune to mildew. **Price, each, 75c.**

**TAUSANDSCHAUN**—A lovely shade of soft pink, free blooming, a vigorous climber with splendid foliage.

**WILLIAM A. RICHARDSON**—Color, rich coppery yellow, flushed with carmine; a very beautiful variety, having few equals.

**ZEPHRINE DROUHIN** (H. C.)—Flowers very large and double, of a beautiful bright rose; hardy, rapid climber; foliage luxuriant, without thorns; a free-blooming, desirable rose. **Each 40c.**

## Dwarf Polyanthus Roses

Six choice new varieties; these plants are in fine condition and will bloom perfectly; can be forced in pots for winter; very popular with florists. Fine two year old plants. **Price, each, 35c; doz. \$3.00**

**MRS. W. CUTBUSH**—A beautiful, bright pink, free blooming and vigorous, best of its color.

**MRS. TAFT**—Rosy crimson, one of the most beautiful and satisfactory roses in this class.

**JESSIE**—A brilliant, glowing crimson that does not fade, a vigorous, erect grower, flowers in greatest profusion. The best red polyanthus.

**ORLEANS ROSE**—Bright rosy red with peach center, a vigorous grower, producing immense trusses of bloom.

**MAMAN LEVASSEUR (Baby Dorothy)**—Vivid Carmine, free flowering, vigorous; a splendid bedding rose.

**PHYLLIS**—Bright carmine pink; erect, vigorous and free blooming. One of the finest in this class.

## The Famous Rambler Roses

The Rambler Roses are strong, vigorous climbers, growing ten to twelve feet high in one season. They bear immense clusters of beautiful, fragrant flowers.

### Four Grand New Rambler Roses

**Price:** Young plants, 20c each; set of 4 sorts, 60c. Two-year-old plants, 50c each; set of 4 sorts, \$1.60.

**THE BLUE ROSE**—This is the new rose **Vellchenblau** or **Violet Blue** that has attracted so much attention in Europe, and is the first rose of its color ever produced. **Violet Blue** is a vigorous climber of the polyanthus type, flowers medium size, semi-double, borne in large clusters; color on opening is a rosy lilac, quickly changing to a metallic blue, has splendid foliage of a rich green color that does not mildew.

**WHITE DOROTHY**—As its name indicates, it is a sport from Dorothy Perkins, possessing all the fine qualities of that grand variety but having pure snow white flowers. This rose we believe will become a fixture in the list of climbing Roses.

**FLOWER OF FAIRFIELD**—Everblooming crimson rambler, brilliant crimson, base of petals white, flowering in great profusion perpetually throughout the season. **Flower of Fairfield** is a true, everblooming, **Crimson Rambler**, a splendid grower and a great improvement over the old type; strong field-grown plants.

**PINK CHEROKEE**—A grand new climbing Rose of rare beauty and undoubted merit and entirely distinct from any other climbing Rose. The lovely single blossoms are 3 to 5 inches in diameter, saucer shaped and of a beautiful shade of light pink.

### Popular Ramblers

**Price:** 1 yr., 15c each. Any 4 sorts, 50c. Two-year-old plants, 35c each, except where noted.

**PHILADELPHIA RAMBLER**—An improved type of the favorite Crimson Rambler; color, deeper, more brilliant and lasting; flowers perfectly double, borne in great profusion, much earlier than the old type; vigorous, luxuriant foliage, not susceptible to mildew.

**YELLOW RAMBLER**—Same type and growth as Crimson Rambler, except for color, which is a pure, bright yellow.

**DOROTHY PERKINS**—Polyanthus type; color a beautiful bright shell pink, flowers large, very double; petals prettily crinkled; blooms in large clusters of 30 to 40; a splendid keeper,

**WHITE RAMBLER**—Flowers pure white, sometimes faintly tinged blush, flowers borne in immense clusters; very vigorous.

### Standard, or Tree Roses

**Price of all Tree or Standard Roses, \$1.00 to \$2.00 each, according to size of head.** Tree roses are budded or grafted on hardy rose stocks about four feet high. They soon make good sized heads forming a small tree, especially desirable for planting as single specimens, in back-grounds or rows along walks or driveways.

Order any color or variety you wish and we will send it or give you as good a substitute as possible. We aim to have the following varieties in stock:

**La France**  
**K. A. Victoria**  
**Mad. Caroline Testout**  
**Ulrich Brunner**  
**Grus an Teplitz**  
**F. K. Druschki**  
**Baby Rambler Richmond**  
**Baroness Rothschild**  
**Gen. Jack**

**Hugh Dickson**  
**Conrad F. Meyer**  
**Countess of Gosford**  
**Dorothy Perkins**  
**Glorie de Dijon**  
**Gen. McArthur**  
**Marechal Neil**  
**Mad. Abel Chatenay**  
**Mad. Gabriel Luizet**  
**Wm. Allen Richardson**

### Moss Roses

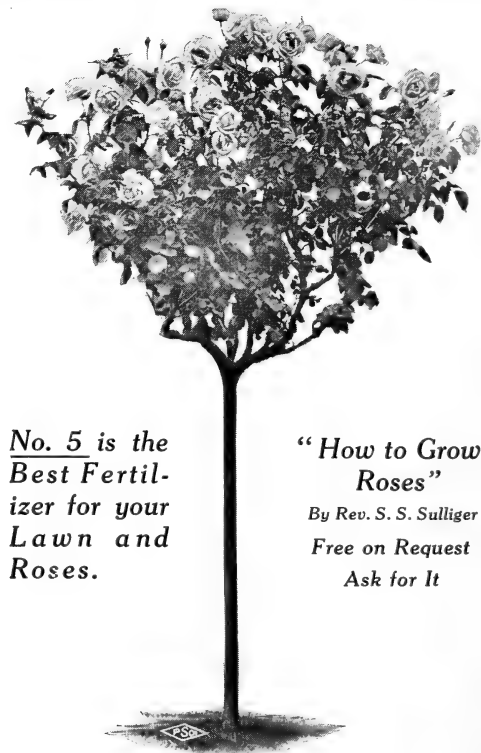
These old-fashioned Roses are coming into favor and we offer the following as best of their colors. **Price, each, 35c; dozen, \$3.00.**

**BLANCHE MOREAU**—Flowers pure white, large, sweetly perfumed; borne in clusters. Best white Moss Rose.

**CHAPEAU DE NAPOLEON**—Splendid rich red, best of its color.

**CRESTED MOSS**—Bright rose, light edging, well mossed.

**SALET**—Color, lovely satin rose; very full and of great beauty; one of the best.



No. 5 is the  
Best Fertil-  
izer for your  
Lawn and  
Roses.

"How to Grow  
Roses"

By Rev. S. S. Sulliger

Free on Request

Ask for It

**APHISCIDE** The Best Summer Spray for **ROSES**

Prices, Qts. 25c; Gal. 75c  
READY FOR USE

## Alphabetical List of Roses

Name and Class.	Price Pg	Name and Class.	Price Pg	Name and Class.	Price Pg
Aards Pillar, H. T.	\$0.60 39	Harry Kirk, H. T.	.40 37	Mrs. David Jardine, H. T.	.40 37
American Beauty, H. P.	.35 37	His Majesty, H. T.	.75 35	Mrs. E. G. Hill, H. T.	.50 36
Anna Olivier, T.	.35 37	Hon. Ina Bingham, H. T.	.40 37	Mrs. Fred Straker, H. T.	1.00 35
Avoca, H. T.	.40 37	Hugh Dickson, H. P.	.40 37	Mrs. John Laing, H. P.	.35 38
Baby Rambler, Poly.	.35 37	Irish Elegance, S.	.50 36	Mrs. R. G. Sharman Crawford, H. T.	.35 38
Baroness Rothschild, H. P.	.35 37	Irish Harmony, S.	.50 36	Mrs. Taft, Poly.	.35 39
Beaute de Lyon, H. B.	1.25 35	Irish Simplicity, S.	.75 36	Mrs. Longworth, H. T.	.75 35
Belle Siebrecht, H. T.	.35 37	John Cuff, H. T.	.40 37	Moss Roses	.35 40
Bessie Brown, H. T.	.35 37	J. B. Clark, H. T.	.40 37	My Maryland, H. T.	.50 36
Betty, H. T.	.40 37	Joseph Hill, H. T.	.50 36	Orleans, Poly.	.35 39
Blue Rose, Poly.	.50 40	Jonkheer, J. L. Mock, H. T.	1.00 35	Papa Gentier, T.	.35 38
Capt. Hayward, H. P.	.35 37	Juliet, H. B.	2.00 34	Paul Neyron, H. P.	.35 38
Cecile Brunner, Poly.	.35 37	Killarney, H. T.	.35 38	Pharisaer, H. T.	.50 36
Clara Watson, H. T.	.35 37	Jessie, Poly.	.39 39	Pink Cherokee, S.	.50 40
Climbing Roses	.39 39	K. A. Victoria, H. T.	.35 37	Phyllis, Poly.	.35 39
Com. J. Graveaux, H. T.	.75 35	Lady Alice Stanley, H. T.	1.00 35	Prince de Bulgarie, H. T.	.35 38
Conrad F. Meyer, Rug.	.35 37	Lady Hillingdon, T.	1.25 35	Prince C. de Rohan, H. P.	.35 38
Countess of Gosford, H. T.	.40 37	Lady Ashtown, H. T.	.35 38	Princess Marie Mertchersky, H. T.	.50 36
Countess of Shaftesbury, H. T.	2.00 35	Lady Battersea, H. T.	.35 38	Perle des Jardines, T.	.35 38
Dean Hole, H. T.	.40 37	La France, H. T.	.35 38	Rayon D'Or, Pern.	1.50 35
Dorothy Page Roberts, H. T.	.40 37	La Detroit, H. T.	.35 38	Rhea Reid, H. P.	.40 37
Dorothy Perkins, Poly.	.35 40	Lady Roberts, T.	.50 36	Richmond, H. T.	.40 37
Duchess of Portland, H. T.	.60 36	Le Progress, H. T.	.50 36	Rainbow, H. T.	.35 38
Dwarf Roses, Poly.	.39 39	Lyon, Per.	.50 36	Rouge Angevine	.50 36
Duchess of Wellington, H. T.	.75 35	Mme. Phil. Revoire, H. T.	.40 38	Ramblers	.40 40
Edu Meyer, H. T.	.50 36	Marquise de Sinety, H. T.	.50 36	Soleil D'Or, Pern.	.35 38
Edward Mawley, H. T.	2.00 34	Mme. Segond Webber, H. T.	.50 36	Safrano, T.	.35 38
Elizabeth Barnes, H. T.	.60 35	Mme. Abel Chatenay, H. T.	.35 38	Souv. de P. Notting, T.	.35 38
Ethel Malcolm, H. T.	1.00 35	Mme. Leon Pain, H. T.	.40 37	Souv. de Pres. Carnot, H. T.	.35 38
Etoile de Lyon, T.	.35 37	Mme. Melanie Soupert, H. T.	.50 36	Sunburst	2.00 34
F. von Marshall, T.	.50 37	Mme. C. Testout, H. T.	.35 38	Tee Roses	.40 40
Florence Pemberton, H. T.	.40 37	Mam. Cochet, T.	.35 38	Ulrich Brunner, H. P.	.35 38
F. Edith Coulthwaite, H. T.	.75 35	Mme. Jules Grolez, H. T.	.35 38	Grus an Teplitz, H. T.	.35 37
Franz Deegan, H. T.	.35 37	Mabel Morrison, H. P.	.35 38	Viscountess Enfield, H. T.	.75 35
F. K. Druschki, H. P.	.35 37	Maman Levavasseur, Poly.	.35 38	White Maman Cochet, T.	.35 38
Flower of Fairfield, Poly.	.50 40	(Baby Dorothy)	.35 39	White Killarney, H. T.	.50 36
Gen. McArthur, H. T.	.40 37	Margaret Dickson, H. P.	.35 38	Wm. Shean, H. T.	.50 36
Grus an Teplitz, H. T.	.35 37	Marie van Houtte, T.	.35 38	White Dorothy, Poly.	.50 40
Gen. Jacqueminot, H. P.	.35 37	Mildred Grant, H. P.	.35 38	White La France, H. T.	.35 38
George C. Waud, H. T.	.75 35	Mrs. Aaron Ward, H. T.	.75 35	Wm. R. Smith, T.	.50 36
Gloire Lyonnaise, H. T.	.35 37	Mrs. A. R. Waddell, H. T.	.75 35		
Gustav Piganeau, H. P.	.50 36	Mrs. W. Cutbush, Poly.	.35 39		
Gloire de Chidane Guinoisseau		Mrs. Chas. E. Allen, H. T.	2.00 35		
H. T.	.75 35				

## Flower Pots

We are agents for the Garden City Red Clay Pots and buy in carload lots. The wholesale trade, florists and nurserymen are requested to send for special prices stating quantity wanted. They are by far the finest pots offered on this coast.

### FLOWER, FERN, AZALEA POTS OR BULB PANS ALL SAME PRICE.

Size	Each	Dozen	Saucers Each
2 inch	\$0.02	\$0.20	
3 inch	.03	.30	
4 inch	.04	.40	\$0.03
5 inch	.07	.70	.04
6 inch	.10	.90	.05
7 inch	.12	1.20	.07 ½
8 inch	.15	1.75	\$0.10
9 inch	.25	2.50	.15
10 inch	.40	...	.20
12 inch	.60	...	.35
14 inch	1.50	...	1.00
16 inch	2.25	...	1.25

### PAPER FLOWER POTS FOR FLORISTS

Low in Price, Moisture Proof, Unbreakable, Light, Convenient.

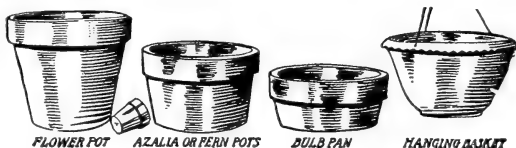
	100	1000
2 ½ inch	\$ .60	\$5.50
3 inch	.80	7.00
3 ½ inch	\$1.00	\$ 9.00
4 inch	\$1.25	11.00

### HANGING BASKETS.

These are well made, having scalloped edge and fancy designs on the lower outside. Better than wire baskets, as plants do not dry out so quickly.

8-inch, each, 30c; doz., \$3.00. 10-inch, each, 40c; doz., \$4.25. 12-inch, each 60c; doz. \$9.00

**NOTE.**—At above prices we will pack the pots carefully, but buyer must pay freight or express charges. We buy in carload lots and the wholesale trade, florists and nurserymen are requested to send for special prices, stating quantity wanted.



FLOWER POT      AZALEA OR PERN POT      BULB PAN      HANGING BASKET

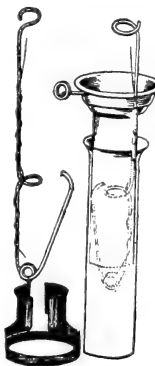
## Foster Rose Tubes

*For Rosarians and Cut Flower Exhibitors*

FOR SHOWING ROSES

The Foster Exhibition tubes with adjustable clips, enable you to transfer flowers from one position to another without disturbing their arrangement. A wire holds the flower firmly in any desired position. Tubes afford an ample supply of water close to the rose.

Used at all English shows.  
**Price, each, 35c; doz., \$4.00.**



# Fruit and Ornamental Trees

## Shrubs and Plants

Deliveries can be made from October until June, but orders are accepted at any time for delivery in Season.

### PLANTING AND CARE OF STOCK

**W**E use every precaution to deliver healthy, vigorous stock, but the measure of your success will depend upon the planting and care given, as careless or ignorant handling kills thousands of fine trees and plants every season. Avoid unnecessary exposure of roots to the air. In the case of evergreens that are "balled," do not remove the burlap. Plant as received, only cut the string around the top, then loosen the burlap after the tree is set. If you cannot plant immediately on receipt, always "heel" in the trees so their roots may be in contact with good soil.



Photo of  
**ONE-YEAR-OLD FRUIT TREES**  
Showing splendid growth and  
**HEAVY FIBROUS ROOTS**

This insures a vigorous, sturdy tree. Note the symmetrical proportions. These one-year-old trees were seven feet high August 15, 1912.

An hour's exposure of roots to wind or sun may kill any tree; this is especially true of evergreens. In planting cut off the bruised or broken roots with a sharp knife.

If the soil is good and properly prepared, only a hole large enough to easily take the roots need be dug, but better results can always be obtained by digging out a large space and filling in with good top soil. In setting the trees, do not put deeper than they stood in the nursery, excepting some dwarfs, which go a little deeper. But now comes the important detail, the neglect of which is responsible for many failures—


#### **Be sure to pack the earth solidly around the roots.**

Leaving the ground loose after planting has caused tremendous losses that are generally and unjustly blamed to the nurseryman. Another cause of great loss is the wind working the newly set trees loose from the soil. This kills them. Always stake newly set trees if in a windy situation. After trees are set, make a plan of the grounds, marking the different varieties, then remove the wire labels, as they may damage the growing limb.

### **KEEPING TREES OVER WINTER FOR SPRING PLANTING**

This can easily be done by following the simple instructions given below:

Select a well-drained spot where the soil is mellow, and dig a trench deep enough to cover the roots well; put in one layer of trees, placing them so they will not be erect but at a decided angle; pack the dirt firmly about the roots, then place the next layer. When trees are all "heeled" in, cover the tops with boughs or bank up the earth over them. Be sure there is no grass or rubbish near to harbor mice. In mild situations where winters are not severe, do not bury or cover the tops; simply "heel in." Trees thus kept are on hand ready for planting as soon as the frost is out of the ground and will be found well preserved and are more sure to grow than later spring planting. Besides, you get better service by ordering in the early fall as stocks are more complete.

 If trees are frozen in transit, do not unpack, but set away in a cool cellar and allow them to thaw gradually. Trees or roses that are dried out and shriveled should be buried, tops and all, in moist earth for a few days. This will restore them.

## FRUIT STOCK

**I**N THE purchase of fruit stocks great care should be given to the selection of varieties that will meet your conditions and requirements, as many that thrive and bear abundantly in one section often prove disappointing under variable conditions. Also many splendid sorts for home use are totally unsuited for profitable marketing. For this reason we offer a large assortment of improved varieties carefully tested and selected for their special merits and their adaptability to varying conditions, and if you will state whether you intend growing for distant or local market or for home use, giving location and general conditions, we can recommend or assist in the selection of those varieties that will give you best results.



# APPLES

 **This is the year to plant Apple trees.** Stocks were never better and **prices are very low.** Write for quotations on large orders.

Prices of standard commercial varieties except where noted:

	Each	Per 10	Per 100	Per 1000
First Grade, 4 to 6 feet.....	\$0.25	\$2.00	\$18.00	\$150.00
Second Grade, 3 to 4 feet.....	20	1.75	14.00	125.00

## SUMMER VARIETIES

### EARLY HARVEST

Medium size; bright straw color; tender and fine; good for table and cooking. July.

### GOLDEN SWEET

Large, pale yellow, tender and rich; good for cooking; fine bearer. August.

### GRAVENSTEIN

Large, beautifully dashed with deep red and orange; tender and crisp, with a highly aromatic flavor; tree very vigorous. August.

### RED JUNE

Medium, oblong, deep red; excellent for table use; one of the best early apples.

### RED ASTRACHAN

Large, deep crimson, flesh white, moderately juicy, with an agreeable rich acid flavor; very productive. August.

### YELLOW TRANSPARENT

Medium size, roundish, slightly conical; skin pale yellow; flesh tender, juicy, sub-acid; good; bears at an early age. July.

## AUTUMN VARIETIES

### RAMBO

Medium, yellowish white, streaked yellow and red; tender, rich and sub-acid; very productive. September to November.

### WAXEN

Fruit medium; skin pale yellow; flesh crisp, tender, juicy, sharp acid; one of the best for drying. October.

### FALL PIPPIN

Yellowish green; good cooking apple. September.

### MAIDEN'S BLUSH

Medium, well shaped; yellow, with a very distinct red cheek on the sunny side; flesh white; pleasant sub-acid flavor; excellent for table or cooking. September.

### TWENTY OUNCE

Large and showy; good, though not highly flavored; flesh coarse, brisk sub-acid. October.

### FAMEUSE

(Snow Apple.) Medium, roundish, greenish yellow, with streaks of deep red on sunny side; flesh remarkably white; fine dessert fruit. October to December.

### GOLDEN RUSSET

Medium, dull russet, with a tinge of red; flesh crisp, juicy and highly flavored. September.

### GLORIA MUNDI

Large green, fine sauce apple. Last of September.

## WINTER VARIETIES

### ARKANSAS BLACK

Medium, round; yellow where not covered with a beautiful dark maroon, approaching black; flesh firm, fine grained, juicy; a long keeper. December to April.

### BALDWIN

Large, rounded; deep, bright red; very productive; crisp, fine flavor; one of the best and most popular winter apples. November to February.

### BEN DAVIS

Medium to large; yellowish, overspread with red; flesh white, tender, juicy; pleasant sub-acid; thrifty, upright grower. October to January.

### LAWVER

(Delaware Red). Large, rounded flat, mild sub-acid, very heavy and hard; dark red; handsoonest late keeper. December to May.

### ORTLEY, OR WHITE BELLEFLOWER

White fleshed, fine grained conical fruit of superior flavor; one of the best. December to April.

### HYDE'S KING OF THE WEST

Large to very large; handsome yellowish green; good quality; a remarkable keeper; a very popular sort in some sections. November.

### ROXBURY RUSSET

Medium, dull green and russet; flesh greenish white, rich sub-acid flavor. October to January.

### RED CHEEK PIPPIN

Excellent variety; sub-acid flavor; yellowish green color; red cheek; large size; good bearer. Keeps till March.

### ROME BEAUTY

Large, yellow, shaded with bright red; juicy and sub-acid; fine market sort; good bearer. November to February.

### WEALTHY

Medium, whiteish yellow, shaded with deep red; flesh white, tender and juicy. October.

### WINESAP

Medium yellow ground, streaked with red; flesh yellow, with rich, high flavor; excellent for table and making cider. December to April.

### WOLF RIVER

Large and handsome; greenish yellow shaded with dark and light red; tree a strong grower and good bearer. September to November.

### WAGENER

Good size; deep red in the sun; flesh firm and fine grained; good keeper; sub-acid; excellent filler; requires thinning. October to December.

### STARK

Large, greenish yellow, shaded and splashed with dark red; flesh yellowish, juicy, mild sub-acid; a long keeper and profitable market fruit; thrives in California. December to March.

### TOLMAN'S SWEET

Medium size, pale, whitish yellow, tinged with red; flesh firm; rich and very sweet; best to preserve; vigorous, productive. November to April.

**WINTER APPLES—Continued****SPITZENBERG**

Large, oblong; yellowish ground with broken stripes of bright red; flesh yellowish, juicy, delicious rich flavor. November to March.

**YELLOW BELLEFLOWER**

Large, oblong, yellow, sometimes a blush in the sun; flesh firm, crisp, juicy, sub-acid; tree a good grower and very productive; succeeds well in this valley. October to January.

**KING**

Large and handsome, striped red and yellow; tree vigorous and productive. November to December. Good mountainous apple.

**JONATHAN**

Tree vigorous, long lived and an early bearer. Fruit beautiful red and oblong; fine quality. Valuable as a pollenizer with Spitzenberg and Newtown. October to January.

**MAMMOTH BLACK TWIG**

Very large; bright red, pleasant sub-acid; fine late keeper; fine, vigorous tree. November to January.

**NORTHERN SPY**

Large, round, greenish yellow, stripes of purplish red; flesh white, juicy, brisk sub-acid; valuable for "top work." Requires good soil. December.

**McINTOSH RED**

A seedling of the Fameuse; bright red, flesh white, very tender and delicious. Long lived and very productive. Adapted to Montana. November.

**RHODE ISLAND GREENING**

Large, greenish yellow; flesh yellow, fine grained, tender, crisp, juicy and aromatic; excellent for cooking and table. October.

**NEW VARIETIES OF APPLES**

Note prices following each variety. Nice stocky trees.

**WINTERSTEIN**

A winter apple of the Gravenstein type; flesh yellowish, very tender, rich, spicy, sub-acid, highest quality, with a flavor all its own. Price, each, 60c

**OPALESCENT**

Probably the handsomest apple ever introduced. Color light, shaded to a very dark crimson; skin smooth; susceptible of a very high polish reflecting objects like a mirror; flesh yellowish, tender, juicy and good. Price, each, 60c

**MULTNOMAH (New)**

A grand new sort; a hybrid between the American Pippin and Rome Beauty. Originated by H. A. Lewis. Fruit large; color red, striped yellow; flesh white and fine and of sub-acid flavor; extra long keeper and in its prime from February to June; the coming apple for long distance shipment and Oriental trade. Price, each, 60c

**YELLOW NEWTOWN PIPPIN**

Large; skin smooth, golden yellow; flesh firm, crisp, juicy; one of the standard varieties for export. December to May.

**GRIMES GOLDEN**

Very popular. Rich golden yellow; flesh tender, juicy and rich. Tree hardy and vigorous, bearing young. November to December.

**DELICIOUS**

A splendid apple; coming into prominence rapidly. Tree vigorous and hardy and the fruit equals the name in every respect. Fine for market and home use and especially adapted to Eastern Oregon and Washington. Keeps till April.

**STAYMAN WINESAP**

A seedling of the Winesap. Yellow striped with red. Flesh firm, crisp, juicy and very tender and rich, sub-acid. A drought resister; a profitable market variety. January, May.

**LADY APPLE**

A novel, dainty, small flat apple; red cheek. Good Christmas fruit. Tree upright and vigorous.

**KING DAVID**

A cross between Jonathan and Arkansas Black. Color deep, rich red. Tree a young and heavy bearer. November to March.

**SALOME**

Early and annual bearer; very hardy; fruit medium and uniform; quality good. November.

**GANO**

Fruit is a bright red on yellow ground, large oblong, smooth. Tree vigorous and prolific bearer. Fine keeper. November to April.

**ONTARIO**

A cross between Wagener and Northern Spy. Fruit large to very large; flavor a brisk sub-acid, sprightly, slightly aromatic; season mid-winter to late. Price, each, 60c

**CLAYTON**

Winter; large, yellow, striped red; productive. December to January. Price, each, 35c

**BISMARCK**

The apple novelty; everyone should try it; tree of short, stocky growth, thick, healthy foliage; fruit large, handsome, yellowish sometimes shaded red cheek; flesh tender, pleasantly sub-acid; entirely new; seldom failing to bear when two years old. September. Price, each, 35c

**WINTER BANANA**

Fancy market fruit; pale yellow with pink blush. Has a delightful aroma and suggestive banana flavor. Not a good shipper. November. Price, each, 35c.

**APPLES** are the **MOST** **DEPENDABLE** and most salable **MONEY MAKERS** orchard crop and are sure

## DWARF FRUIT TREES

**T**HESE are ideal for home gardens; come into bearing early and yield large crops of choicest fruits. Forty Dwarf Trees can be planted in a space 50 feet square and will not shade the ground, which can be cultivated between the trees. For best results Dwarf Trees must be planted in good rich soil and be well cared for; they should be pruned back about two-thirds of their new growth each spring.

### DWARF APPLES

Baldwin	Jonathan	Yellow Transparent
Red Astrachan		Gravenstein
Bismark	Rome Beauty	Wealthy

### DWARF PEARS

Bartlett	Fall Butter	Comice
Beurre de Anjou	L. B. de Jersey	
	Shelton	

Price, each, 50c; 10, \$4.00; 100, \$35.00

**DWARF FRUIT TREES** make profitable "fillers" for young orchards and are best for Home Gardens. Our stock is large--varieties and quality the finest.



Dwarf Apples Bearing Fruit — in The Nursery Row

## CRAB APPLES

Nice stocky trees, each, 35c; per 10, \$3.00

### FLORENCE

Large, handsome; red striped; early; good annual bearer, juicy and crisp; fine for the home garden. September 1.

### MARTHA

Glossy yellow, shaded to red; fine for cooking and fair for eating fresh; tree handsome, vigorous and hardy. September.

### TRANSCENDENT

Very large, pleasant flavor and good for cider; yellow striped red. Very productive. Adapted to Montana. September.

### YELLOW SIBERIAN

Fruit small, fine golden yellow. Good. August.

### HYSLOP

Large, deep crimson; tree hardy, fine for the West. November, January.

### RED SIBERIAN

Yellow with scarlet cheek. Bears young and abundantly. September.

### WHITNEY NO. 20

Tree thrifty, upright grower. Fruits large, striped; flesh firm and juicy. Very good. August.

## CHERRIES

	Each	Per 10	Per 100	Per 1000
First Grade, 2 years.....	\$0.50	\$4.00	\$35.00	\$300.00
First Grade, 1 year, 4 to 6 feet.....	.40	3.50	30.00	275.00

### BING

Originated in Oregon, from seed of Black Republican; fruit large, dark brown or black; very fine; late; a good shipping variety. July.

### BLACK REPUBLICAN (Lewelling)

Seedling, raised by Seta Lewelling, of Oregon; large size, black, sweet, with purplish flesh; late and a good shipper. June.

### KENTISH (Early Richmond)

Dark red, juicy; one of the best sour cherries and unsurpassed for cooking purposes; very productive. Mid-May.

### LATE DUKE

Large, light red; late and excellent, sub-acid. Late July.

### OREGON

Large, black, solid, free, vigorous and productive; a fine shipper. July.

### ROYAL ANN

(Napoleon Bigarreau.) A magnificent cherry of the largest size; pale yellow, becoming amber in the shade; richly dotted and spotted with deep red, and with a bright red cheek; flesh very firm, juicy and sweet; tree a rapid grower and immense bearer. July 1.

### LAMBERT

Fruit of largest size and of fine quality; color deep, rich red; flesh firm and of fine flavor; a fine market variety; ripens two weeks later than Royal Ann. Mid-July.

### MAY DUKE

Large, rich, dark red; flesh tender, juicy and sub-acid; an excellent variety, and one of the earliest of its class. May.

### MILLER'S LATE

This new cherry resembles the Late Duke in color, shape and flavor, but it is a larger and later variety, which makes it very valuable and desirable. August. Price, each, 60c

### NEW GIANT

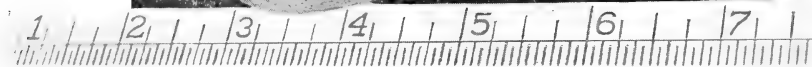
Claimed by the originator to be equal in every way to the famous Lambert, but to possess the good points of being a larger and later cherry. A strong, vigorous grower; heavy cropper. Each, \$1.60; large trees, \$1.50

### ROCHALINE (New)

A new German cherry, larger and redder than the Royal Ann; better shipper and more prolific bearer. July. Each, 60c

# APRICOTS

A  
**PLANET Jr.**  
is the best  
Orchard  
Cultivator.  
Ask for  
Free  
Booklet.



*The Lewis Apricot here illustrated is the largest, hand-somest and one of the hardiest, best-flavored apricots.*

**Prices except where noted:**

**First Grade, 4 to 6 feet.**

<b>Each</b>	<b>.....\$</b>	<b>.25</b>
<b>10</b>	<b>.....</b>	<b>2.25</b>
<b>100</b>	<b>.....</b>	<b>20.00</b>
<b>1000</b>	<b>.....</b>	<b>180.00</b>

## THE LEWIS

The new Lewis Apricot is the largest, strongest growing, best yielding, best flavored apricot we have ever seen, and is perfectly hardy. Grown extensively in the "Good-noe Hills" district. July, August.

Special prices in large lots. Price, each, 75c

## MOORPARK

Very large, yellowish green, brownish red on the sunny side; flesh bright orange; fine for canning and drying; freestone. July, August.

## ROYAL

Above medium size; sweet, rich, juicy; good dryer and canner. July.

## TILTON

Large; rich color, high flavor; very productive; similar to Royal; later. July.

## BLENHEIM

Deep orange, sometimes blushed; tender, rich and juicy. Tree vigorous. Good for Pacific Coast. Last of June.

## HEMSKIRKE

Large, flesh bright orange; tender, plum like flavor. July.

# PEACHES

<b>First Grade, 4 to 6 feet</b>	<b>Each</b>	<b>Per 10</b>	<b>Per 100</b>	<b>Per 1000</b>
<b>First Grade, 3 to 4 feet</b>	<b>\$0.25</b>	<b>\$2.00</b>	<b>\$17.50</b>	<b>\$160.00</b>
	<b>.20</b>	<b>2.00</b>	<b>15.00</b>	<b>140.00</b>

## EARLY ALEXANDER

One of the largest and best of the extra early varieties. Almost freestone. July.

## EARLY CHARLOTTE

Hardy, medium early, excellent flavor; originated in Oregon. Freestone.

## EARLY CRAWFORD

Very large, yellow, with red cheek; flesh sweet and excellent; our most popular peach for table and canning; freestone. August.

## ELBERTA

Very large, bright yellow, red cheek; flesh yellow; juicy, sweet; regular bearer; fruit very showy and perfect; freestone. Late July.

## FOSTER

Large yellow, dark red on the sunny side; very rich, juicy and early; freestone. Late July.

## LATE CRAWFORD

Very large, roundish; yellow, with dark red cheeks; flesh deep yellow; juicy and melting; flavor rich and excellent; freestone; valuable for canning and drying. September.

## MUIR

Large, pale yellow; very firm and sweet; best for drying; freestone. August.

## MAYFLOWER

Beautiful red all over; extremely early; tree hardy and healthy. Should be in every home and commercial orchard. Last of June. Free.

## CHAMPION

Large, cream white, slightly blushed. Tree hardy; should be in every orchard. July. Free.

## HEATH'S CLING

One of the best of the clings. Very large; creamy white, with slight red; flesh white. September.

## TUSCAN CLING

Very large; yellow, blushed red. Vigorous and strong grower. July and August.

## CROSBY

Medium; rich orange with slight red blush; freestone, pit small, flesh yellow, sweet and juicy. Good shipper; rank grower. Ripens before Crawford's Late.

## KRUMMELL OCTOBER

A magnificent peach; very profitable. Ripens two weeks after Salway, but far better; a good keeper. Free from bitterness, very firm and fine texture. Tree vigorous, hardy. Good for State of Washington. Free.

Where conditions are right Peaches are a quick-growing, profitable orchard crop. There is always a ready market at a good price.

## PRUNES

Oregon and Washington produce the finest prunes in the world

**I**F you can—**Grow Prunes**—the demand is always good and will increase every year as they can only be grown in certain sections, but where conditions are right they are easily and profitably produced.

### PRICES—First Grade, 1 Year

	Each	Per 10	Per 100	Per 1000
4 to 6 feet, . . .	\$0.25	\$2.00	\$18.00	\$160.00
3 to 4 feet, . . .	.20	1.75	16.00	140.00

**ITALIAN—Felleberg**—Large oval, tapering at both ends; dark purple; flesh greenish yellow; separates freely from the stone; best for drying. August.

**SILVER**—Seedling of the Coe's Golden Drop; tree vigorous and productive; fruit large and superior; excellent for drying or canning. September.

**PETITE—French**—Medium, egg shaped; violet purple; sweet, rich and sugary; very productive; standard variety for drying. August.

**GIANT**—Largest prune known; fruit averaging 1 ½ to 2 ounces each; retaining the good qualities of the smaller varieties.

**HUNGARIAN**—Very large; dark red, juicy and sweet; good shipper. August.

## PLUMS

Prices except where noted:	Each	Per 10	Per 100
First Grade, 2 years . . . .	\$0.25	\$2.50	\$20.00
First Grade, 1 year, 4 to 6 ft. . . .	.20	2.00	15.00

**ABUNDANCE**—Fruit large and beautiful; bright cherry; flesh light yellow; juicy, tender, sweet; productive; freestone. June.

**BRADSHAW**—Reddish purple, juicy and pleasant; adheres partially to the stone. July.

**COLUMBIA**—Largest size, nearly globular; brownish purple; rich, sugary, freestone. August.

**DAMSON**—Small oval, bluish purple; flesh melting, rather tart. Tree very fruitful and hardy. August.

**DAMSON—Shropshire**—Medium size, dark purple; very firm; flesh greenish, juicy and rich. Vigorous. Late Sept.

**SATSUMA—Blood Plum**—Quite popular; large, dark red from skin to pit, which is small, firm and juicy; tree productive. Early July.

**MAYNARD**—Dull red, large, round and firm; rich and sweet; sturdy, quick-growing, heavy-yielding variety; extra fine; ripens in July. **Each, \$1.00**

**YELLOW EGG**—Very large; skin of a deep golden color, but rather acid; excellent for cooking; very showy. August.

**GREEN GAGE**—Small round; flesh pale green, melting and juicy; freestone. Mid-July

**BURBANK**—Medium; globular; cherry red, with lilac bloom; flesh yellow; bears very young. Late June.

### BURBANK SUGAR PRUNE

Dries easier and weighs more than any other prune and is a sure heavy yielder.

**PEACH**—Very large; skin brownish red, slightly coarse grained, but juicy; freestone; very popular July.

**WASHINGTON**—A large plum; skin dull yellow, with a pale crimson blush; flesh firm; very sweet and luscious; freestone. Early August

## NECTARINES

**PRICES: 4 to 6-ft., each, 25c; 10, \$2.00; 100, \$17.50**

### BOSTON

Large, deep yellow, bright blush; flesh yellow; very rich and luscious. Best for Oregon. August 1.

### EARLY VIOLET

Medium; skin pale, shaded violet; flesh white; good. July.

**POTASH — NITRATES — PHOSPHATES**—In car lots at lowest  
**Fertilizer Booklet Free**

# PEARS

	Each	Per 10	Per 100	Per 1000
First Grade, 4 to 6 feet, 1 year.....	\$0.40	\$3.25	\$28.00	\$260.00
Second Grade, 2 to 4 feet, 1 year.....	.35	.275	22.50	200.00

50 at hundred rate—500 at thousand rate.



See page 45 for DWARF PEARS.

## SUMMER VARIETIES

### BARTLETT

Large; skin thin, clear, lemon yellow, with soft blush on the sunny side; flesh white, buttery, very juicy and highly flavored; the best summer pear in existence. August, September.

### ROOSEVELT (New)

Size very large, shape roundish. Flesh fine texture, juicy, melting. Ground color yellow, clouded with salmon rose. Season October.

Price, each, 75c

### LINCOLN CORELESS

Practically coreless; very late. Fruit should be picked when green. Large, quality good. Fairly hardy and good bearer.

### CROCKER BARTLETT (New)

In shape, oblong, large and of a rich golden color. Skin rather thick but tender; flesh yellowish, buttery, juicy, sub-acid to sweet and very rich. Tree very vigorous, so far unblighted. October. Price, each, 50c; per 10, \$4.50.

## WINTER VARIETIES

### SECKEL

Rich and highly flavored; its highly concentrated, spicy, honey flavor is unequalled; skin brownish green, russet brown cheek; flesh whiteish, buttery and melting. September, October.

## AUTUMN VARIETIES

### BEURRE BOSCH

Large, beautiful, russety; highly flavored; fine for shipping. September.

### LOUISE BONNE DE JERSEY

Large, greenish yellow, brownish red in the sun, marked with gray dots; flesh juicy, melting; very prolific. October.

### BEURRE CLAIRGEAU

Large, yellow, shaded with orange and crimson; covered with russet dots; flesh yellowish, buttery, juicy. September.

### BEURRE D'ANJOU

Large, handsome, fine flavor; tree vigorous; heavy bearer; keeps till Christmas. September.

### COMICE

A splendid commercial variety, being of fine size; good appearance; ships well. October.

### FALL BUTTER

A favorite fall pear; yellow, sweet and juicy. September.

### WINTER BARTLETT

This fine pear originated in Eugene, Oregon. Fruit large, closely resembling the famous Bartlett in shape and appearance, but ripening considerably later; flavor almost identical with the Bartlett; is undoubtedly one of the few pears of recent introduction of real merit. Price, each, 50c; per 10, \$4.50.

### BEURRE EASTER

Large, oval, yellow, with red cheek; excellent winter pear; February, October, January.

### WINTER NELIS

Medium; skin yellowish green, dotted with gray russet; flesh yellowish white; fine grained, of a rich saccharine, aromatic flavor. December.

# QUINCE

Prices except where noted:

	Each	Per 10
First Grade, 4 to 6 feet.....	\$0.50	\$4.00

### CHAMPION

Large, yellow; flesh cooks very tender; flavor is most delicious; more productive than the Orange. October.

### APPLE OR ORANGE

Well known standard variety; early; large, golden yellow; good for preserving or flavoring. September.

### PINEAPPLE

Flavor is suggestive of the pineapple; the fruit resembles the Orange quince; making superior jelly; can be eaten raw and has a most exquisite and delicious flavor, not equalled by any other quince. September.

Price, select, 1 year, 50c; 2 years, 75c.

**TREE TANGLEFOOT** EOR CATERPILLARS. MOTHS AND WORMS  
Price: 1 lb. 30c; 3 lbs. 85c; 10 lbs. \$2.65; 20 lbs. \$4.80.  
**PROTECTS AGAINST ALL CLIMBING INSECTS. 1 LB. MAKES A BAND 9 FEET LONG.**

# GRAPES

Prices except where noted:

2-year Plants ..... Each, \$0.15;  
per 10, \$1.50; per 100, \$8.00; per 1000, \$70.00

If wanted in large numbers, write for prices

## CONCORD

Large, black grape; bunches compact; berries round, sweet and pleasant. August.

## DELAWARE

One of the finest of our native grapes; grows freely and is perfectly hardy; ripens early; berries small, light red. August.

## McKINLEY (New)

A new early white grape of great merit; a strong, vigorous grower; thick, healthy foliage, and perfect self-fertilizing blossoms; bunches large and compact; fruit large, nearly round; very sweet, with no acid around the seeds, and no puckery taste in the skin; skin thin, green at first, then turning to yellow; bears handling and shipping well. August.

Prices, 2-year, each, 25c; 10, \$2.25

## NIAGARA

Bunch medium; berry large, roundish, uniform; skin thin but tough; pale yellow; flesh tender and sweet; vine vigorous and productive; one of the best white grapes. September.

## CAMPBELL'S EARLY

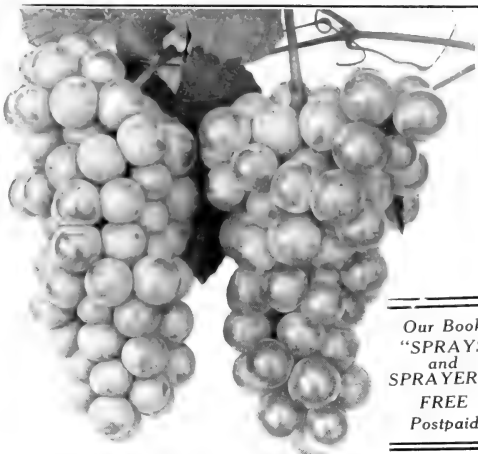
Berries large, nearly round, black, with light purple bloom; flesh rather firm but tender; quality rich, sweet, slightly vinous; a strong and vigorous grower. August.

Price: 1 year, each, 25c; 10, \$2.25.

Price: 2 years, each, 35c; 10, \$3.25.

## MOORE'S DIAMOND

Bunches large; berry greenish white, flesh juicy and almost without pulp.



Our Book  
"SPRAYS  
and  
SPRAYERS"  
FREE  
Postpaid.

## McPIKE (New)

Bunches are large and compact; grapes of uniform extra large size of a blue black, covered with bloom. Ripens evenly and is of perfect quality; hardy everywhere. September.

Price, 2-year, 25c; 10, \$2.25

## MOORE'S EARLY

Bunch medium; berry large, resembling Concord, but more pulp and is earlier.

## POCKLINGTON

Vine very vigorous, hardy and productive; bunch and berry of good size; color a light lemon yellow; flesh moderately tender, sweet. September.

Price, 2-year, each, 25c; per 10, \$2.25.

## WORDEN

Bunch very large and compact; berry large, black; an improved Concord. Late August.

**Thompson's Seedless, Tokay, Muscat, Malaga and other European Varieties, Choice Plants at above Prices**

# CURRANTS

Currants are a profitable easily grown crop, and the market is always good.

Prices except where noted ..... Each, \$0.10; Per 10, \$0.75; Per 100, \$6.00; Per 1000, \$50.00

## New Varieties

### PERFECTION

New; largest and most prolific Currant; bright red, rich flavor, mild sub-acid; no currant can approach in yield or quality this wonderful new currant.

Strong plants, each, 15c; 10, \$1.40; 100, \$12.50

### POMONA

A splendid new red variety; good keeper; has the record for acreage yield. About the size of Perfection and comes a little later.

Strong plants, each, 25c; 10, \$2.25; 100, \$15.00

### BELLE DE BOSKOOP

A splendid new black currant excelling in quality and productiveness. A hardy, vigorous, grower; the largest and best black currant. Strong plants, each 50c.

## White Currants

### WHITE TRANSPARENT

The best white currant known. To be classed with the Perfection red. Splendid for market and table use; berries large, having a rich flavor; mild sub-acid. Vigorous and very productive.

## WHITE GRAPE

Large, yellowish white, valuable for the table.

## BLACK NAPLES

Very large, black, rich, tender and fine for jellies and wine. Productive and vigorous.

## Standard Varieties

### CHERRY

Very large; deep red; fine for preserving; valuable market variety.

### FAY'S PROLIFIC

Bright red, very sweet, stems longer than Cherry and fruit hangs on better than most varieties. To be planted with Cherry.

### NORTH STAR

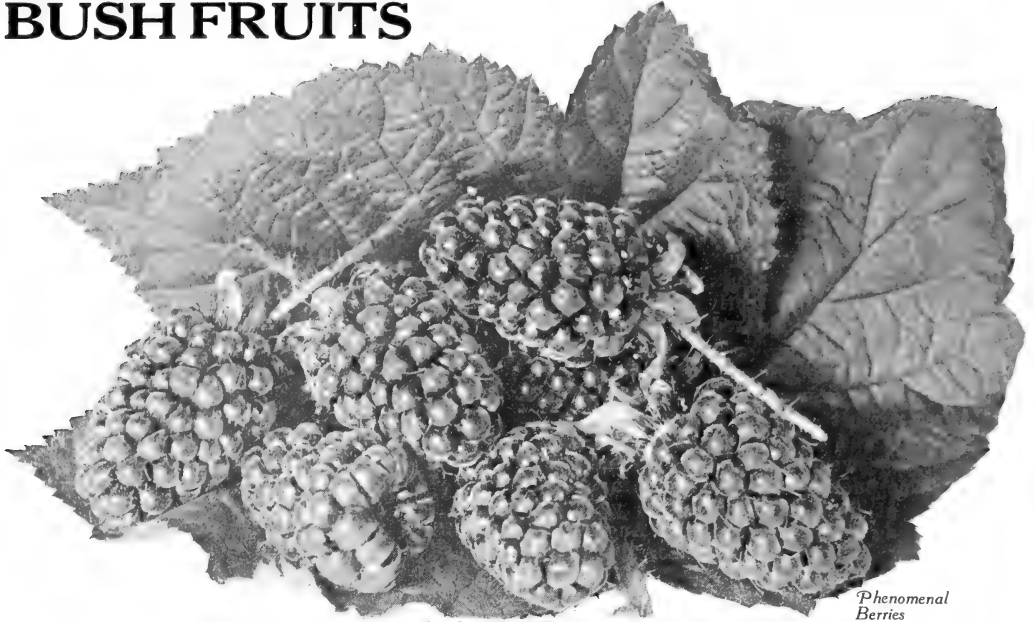
Strongest grower among red varieties; bunches average four inches in length; extra quality; very productive.

### VICTORIA

Large, bright red bunches, very long; an erect grower; late, productive and very valuable.



# BUSH FRUITS



*Phenomenal Berries*

## BLACKBERRIES

### BLOWERS

A new variety, said to be the best; very productive and a good shipper; exceedingly sweet. Ripens just after the Erie. July. **Price, each, 15c; 10, \$1.25; 100, \$10.00; postpaid, each, 20c; per 10, \$1.75**

### ERIE

Large, coal black, round; standard variety. Vigorous. July. **Each, 8c; 10, 60c; 100, \$5.00**

### EVERGREEN

An Oregon introduction; beautiful lacinated foliage, which it retains all winter; berries long, black, sweet, rich and delicious; ripens from July to November.

10 for \$1.25; 100 for \$10.00

Postpaid, each, 20c; 10, \$1.50

### HIMALAYA GIANT

An exceedingly strong, rampant grower of a trailing nature; everbearing; an enormous yielder. The berries are large, juicy, coreless, sweet and firm, with a delicious aromatic flavor. Its deep rooting qualities enable it to produce a large, firm berry even in a very dry season.

Postpaid, each, 20c; doz., \$2.00

Freight or Express, each, 15c; doz., \$1.50

### LAWTON

Fruit large; very productive; well and favorably known; Oregon's most popular kind. **Each, 8c; 10, 60c; 100, \$5.00.**

### NEW MAMMOTH

This wonderful new blackberry is a rampant grower, of trailing habit; the foliage is large, thick, of a deep green color. It is enormously productive and exceedingly early, ripening three weeks before other cultivated kinds. Fruit is enormous, specimens measuring 2½ inches long; seeds small, soft and abundant; cores small and soft. In size and flavor it surpasses all other varieties of blackberries. July 1.

Two-year-old, each, 25c; 10, postpaid, \$2.00

Ten, by express or freight, \$1.75; 100, \$15.00

One year old (tips), ea., 15c; 10, postpaid, \$1.25

By express or freight, 10, \$1.00; 100, \$8.00

### KITTATINNY

Large, roundish, conical, glossy black, juicy, sweet, excellent when fully ripe. July. **Each, 8c; 10, 60c; 100, \$5.00.**

### ELDORADO

A valuable new variety; fruit large, jet black, melting, sweet and rich; hardy and very productive; fine for Oregon.

**Each, 10c; 10, 90c; 100, \$8.00**

Postpaid, each, 15c; 10, \$1.25

## Burbank's Phenomenal

"Larger than the largest berry ever before known." Bright crimson raspberry color, productive as could be desired, and most delicious of all berries for pies, canning jellies or jams. Sweeter than the Loganberry. Easily grown, stands shipping well, and hardy everywhere.

Compared with the Logan the color and general form are much the same the first season, particularly if the growing conditions have not been favorable, but when once established they have no equal in size, quality or productiveness. July 1.

Price, Each, 25c; per 10, \$2.00; per 100, \$12.50.

### Logan Berry

The fruit is generally larger than the blackberry, often an inch and a quarter long; color dark red and produced in immense clusters. It partakes of the flavor of both the blackberry and raspberry, a mild, pleasant, vinous flavor, delicious and peculiar to this berry alone. Fruit ripens early, the bulk being gone before the blackberries or raspberries become plentiful. It is excellent for the table, eaten raw or stewed and is excellent for jelly or jam. June.

Price, each, 15c; per 10, \$1.25; per 100, \$8.00.

# Raspberries—Red Caps

Prices except where noted.....

Per 10, \$0.75; Per 100, \$4.00; Per 1000, \$20.00

## THE IMPROVED SUPERLATIVE

A New Berry of Great Merit

The color is a soft red crimson. The berry large and firm, with very small, brittle seeds. The healthy, vigorous growth, remarkable productiveness, hardiness, immense size, handsome, uniform shape and rich, luscious flavor make the "Superlative," from the shippers' standpoint, a most desirable berry. It is firm, disease resisting, and earlier than Cuthbert.

Each, 20c; 10, \$1.65, postpaid

## RED ANTWERP

Earlier and about the size of the Cuthbert; rich flavor; bright red, and a good market or home berry for this climate.

## CUTHBERT

Deep rich red, large and firm; one of the best market berries. Very strong, hardy and productive; ripens medium to late.

## MARLBORO

Standard, light crimson, large, very firm; should be planted with Cuthbert as commercial variety; ripens early.

## HERBERT

Three in one; splendid, large, bright red; strong grower and very productive; originated in Canada; should be tried by every planter. Price, strong plants, each, 25c; 10, \$2.00.

# RASPBERRIES—Black Caps

Prices except where noted:

Choice well rooted plants, each, 10c; per 10, 90c; per 100, \$6.00; per 1000, \$40.00.

## CONRATH

The Best Early Blackcap

A black raspberry of superior quality, being ten days earlier than Gregg, coming in with the earliest reds. One-sixth of an acre of Conraths produced 38 24-pound crates, netting the grower \$76. We especially recommend the Conrath as the best "blackcap" for Oregon. Try it.

Choice, well-rooted plants, each, 15c; 10, \$1.25, postpaid  
Freight or express, 10, \$1.00; 100, \$8.00

## COLUMBIAN—PURPLE.

A cross of the black and red raspberries combining the flavor of both. Berries are large and easily picked, the yield is heavy and the vines are hardy and vigorous, give same training and care as black caps. Price, strong plants, postpaid, each, 15c; 10, \$1.25. Express or freight, 10 for \$1.00; 100, \$8.00.

## CUMBERLAND

Black; very large; similar to Gregg if not better.

## KANSAS

Black. Similar to Gregg, ripening earlier. Good commercially; strong grower and productive. Drouth resistant.

## MAMMOTH

Black, good quality. Not yet thoroughly tested.

## MUNGER

Black, very good, juicy and fine for home use.

## GREGG

Of good size, fine quality; very productive and hardy. It takes the same position among black caps as Cuthbert among the red sorts.

## PLUM FARMER

New; very promising as a table and market berry; large black, hardy and productive. Good quality. Strong plants, postpaid, each, 15c; 10, \$1.25. Express or freight, 10, \$1.00; 100, \$8.00.

# GOOSEBERRIES

Prices except where noted.....Each, \$0.10; Per 10, \$0.80; Per 100, \$5.00; Per 1000, \$45.00

## OREGON CHAMPION

Berries very large, pale green color; very sweet and fine for table use and pies; bush strong, not very thorny; very prolific bearer; most popular sort we have.

## HOUGHTON

Vigorous grower, abundant bearer; fruit of medium size, pale red, sweet and juicy.

## RED JACKET (JOSSELYN)

Of large size; smooth, prolific and hardy; of best quality; a wonderful cropper, with bright, clean, healthy foliage.

Each, 15c; 10, \$1.25; 100, \$12.00

## DOWNING

Large, light green; soft juicy and good. Vigorous and very productive.

## INDUSTRY

Very large, dark red, of delicious flavor; the best of all English varieties. Bushes strong, upright and very productive.

Each, 20c; 10, \$1.75; 100, \$15.00

## PEARL

Large, light yellowish green; very hardy and free from mildew; superior in size and quality. Very prolific.

# Dewberry

Price .....Each, \$0.15; per 10, \$1.25; per 100, \$10.00

## LUCRETIA

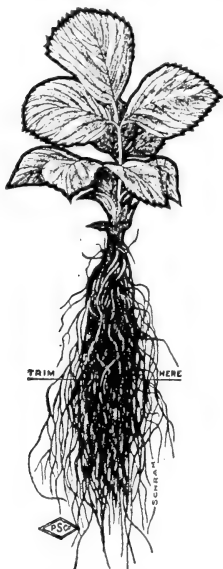
Very popular, trailing vine. Fruit large, soft, sweet and with no hard core. Hardy, good for this Coast. Last of May.

## GARDENIA

Large glossy black; delicious; heavy bearer; trailing vine. June.

"DIAMOND  
QUALITY"

# STRAWBERRY PLANTS



In setting, trim roots as indicated by line in illustration.

For strawberries. Remove the mulch directly after fruiting. This helps to control many evils. For helpful details of care and culture, see our **Strawberry Booklet, 32 pages, sent free on request.**

The strawberries here offered have all stood the market test and you will be safe in selecting any one of them that will suit your conditions and requirements. They are the best varieties obtainable.

**S**TRAWBERRY PLANTS are a great specialty with us, and our select strains of **New Oregon, Gold Dollar, Marshall, New Acme, Magoon, Clark's Seedling** and other Western varieties, many of which were introduced by ourselves, still hold their position as the **leading commercial varieties of the Northwest**, and are being planted more extensively each season. Thus demonstrating by actual market and growing tests the great superiority of our Western varieties, against the keenest competition from all sections.

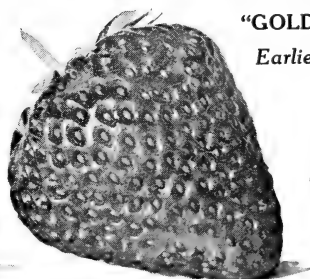
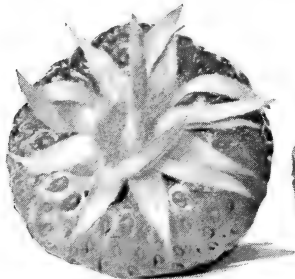
**"Diamond Quality" Strawberry Plants** are large, vigorous and healthy. They are heavily rooted and have large, full crowns; have been carefully grown, and are free from disease and pests. We dig as ordered and pack for shipment in ventilated crates of 500 plants each, crowns up. **They are grown from our select strains and are always true to name; no substitution is ever allowed without the full knowledge of the purchaser.**

Better Strawberries or larger crops are not produced anywhere than right here in the Northwest, and the handsomest—firmest—best colored—richest flavored strawberries are our western varieties.

**THEY ARE BEST for WESTERN GROWERS**

## Care For and Feed Your Plants

Neglect is the prime factor in strawberry failures, and most straw berry beds suffer from lack of attention and starvation. Proper fertilization and intelligent culture insure enormous crops of finest fruit and freedom from diseases and pests. White grubs, cutworms, crown miners, etc., can all be controlled by preventive measures. Never set strawberries in or near clover sod or hay fields. Such ground should have at least two years cultivation before using for strawberries. Remove the mulch directly after fruiting. This helps to control many evils. For helpful details of care and culture, see our **Strawberry Booklet, 32 pages, sent free on request.**



**"GOLD DOLLAR"**

*Earliest and Best*

*of All*

*Early*

*Strawberries*

*Always*

*Solid*

*Clear*

*Through*

## Gold Dollar—Extra Early

**No early strawberry has ever been grown that equals our special strain of "Gold Dollars."**

Gold Dollar berries are large size, dark red all through and have a fine flavor. Foliage heavy, large and spreading, which protects the blooms from early frosts. Has a perfect bloom, and strong stems that hold the berries up from the ground, which helps to keep color and flavor during the early rainy season.

Gold Dollar Strawberries are the standard early berry in the big markets of the Northwest and are always in demand. They are sure, heavy croppers, keep up their size throughout the season, and command the highest early prices. They are the handsomest, most prolific early strawberry.

**Prices on page 53**

## A SURPRISE TO EVERYONE

Stevenson, Wn., 1-15-12

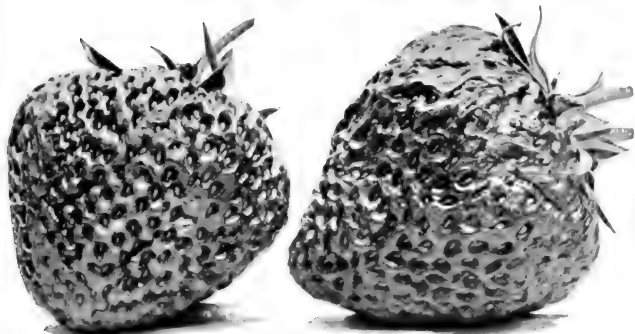
Gentlemen:

The New Oregon Improved Strawberry is entirely satisfactory and has been a surprise to everyone that has seen them growing or after they were grown. I picked \$95.00 worth from 21 sq. rods of ground without using any fertilizer whatever. They were sold in the local market at an average of \$2.45 per crate. From twelve crates of the first picking there was not a pound box of culls and they hold their size well through the whole season. My patrons of a year ago many of them bought first-class berries last season for canning as they considered them cheaper and much superior to any other variety on the market, and when people once use them that settled it as they wanted no others. I sell all I am able to raise in our home market and then some. Well, to make a long story short, I can't say too much in their praise.

Yours truly,

J. Graves.

**"Diamond" No. 4** — The Best Fertilizer for Strawberries. Our Fertilizer Book tells why. Ask for a copy. **Sent FREE**

**STRAWBERRY PLANTS—Continued***Our Own Introduction***“NEW OREGON”**

*Best, Most Uniform,  
and Heaviest  
Yielding Main Crop  
Strawberry*

“NEW OREGON” is large, firm and of fine form, averaging 15 to the quart box, color a brilliant, deep, rich red, having a glossy varnished appearance when fully ripe. This dark blood red coloring extends through to the very center, and, no matter how large, the “NEW OREGON” is never hollow. When fully ripe “NEW OREGON” has a distinctive flavor suggestive of the wild berry, is crisp and delicious, and will remain on the vine for three days without injury, keeping perfectly for many days after picking stands handling and long shipments and will hold its color, shape and flavor when canned.

“NEW OREGON” is an early and continuous bearer, being ready for marketing the first haul of May in the Willamette Valley and holds up in size and quality throughout the season, which in some localities extends until frost.

“NEW OREGON” is a healthy, vigorous grower with luxuriant foliage, but has a marked characteristic of setting few runners. For this reason plants of the true strain cost a little more than other sorts. We introduced “NEW OREGON” in 1902 and growing tests with every promising variety obtainable have demonstrated its superiority.

Mr. Finnigan, the “Strawberry King,” uses the “NEW OREGON” for his fancy pack, and picked 16,872 boxes from two acres in one season. **See price list below.**

**To be sure of receiving the original strain of genuine “NEW OREGON” Strawberries send your orders direct to our Portland store.**

## Popular and Best Western Sorts

### Marshall

One of the best all-round strawberries; very large; dark crimson throughout; fine flavor; a fine market and table berry.

**Clark's Seedling**

The berry that has made Hood River famous; best shipper; berries large, firm and of delicious flavor; vines bear large crops; is especially adapted to dry soil.

**Admiral Dewey**

Color, beautiful dark red, extending to the center; no white core; shape conical, much like Clark's Seedling; of excellent flavor; a very early, abundant and continuous bearer; might be classed as an ever-bearing.

**Wilson**

An old standard variety; a heavy bearer of fine, moderate sized berries; sharp acid flavor and the leading sort for canning.

**New Acme**

**For growers who have a distant market, or who require a firmer berry than any before known “New Acme” is especially recommended.**

The Acme is a seedling of large size and same general form as the well known “Clark,” but of much richer, more brilliant color. The seeds, being very prominent and of a rich golden yellow, give the berry a strikingly handsome, distinctive appearance. It ripens early and is a heavy cropper. Berries remarkably uniform in size and shape; are also very firm, of finest quality, stand handling better and keep longer than any other strawberry.

**Magoon**

Originated near Portland; berry large, fine and excellent; sub-acid flavor; bears heavily throughout the season; especially adapted to Western Oregon and Washington.

**Gandy**

A profitable market sort; its season is late to very late, being in its prime when most other sorts are gone. The fruit is large, handsome and uniform, and makes an excellent showing on the market.

By mail, postpaid.

By express or freight packed in ventilated crates.

**PRICE LIST OF PLANTS.**

	Dozen	100	100	1000
Acme	\$0.30	\$1.00	\$0.75	\$6.00
Admiral Dewey	.25	1.00	.60	4.50
Clark's Seedling	.25	1.00	.60	4.50
Gandy	.30	1.00	.75	5.00
Gold Dollar	.25	1.00	.75	4.50
Magoon	.25	1.00	.60	4.50
Marshall	.25	1.00	.60	4.50
NEW OREGON—IMPROVED	.30	1.00	.75	5.00
Wilson	.25	1.00	.60	4.50

Not less than 500 plants of a kind at 1000 rate. Special prices on 3000 or more.

**FREE**

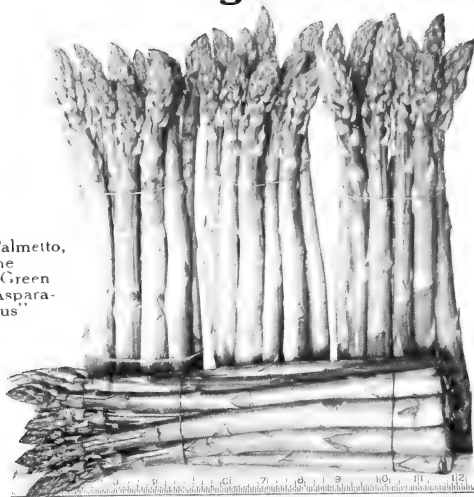
ON REQUEST, OUR 32-PAGE BOOK ON STRAWBERRY CULTURE  
Complete and up-to-date. Things you should know about Strawberries.

**FREE**

## Vegetable Roots and Plants

### Asparagus

Palmetto,  
the  
"Green  
Aspara-  
gus"



One of the earliest and finest of spring vegetables; very easily grown. A bed once planted is good for years if properly attended to and well manured.

**CULTIVATION**—See that the ground is well drained, work it up fine and deep and make it very rich with fertilizer or barnyard manure. Place the plants eight inches apart in rows three feet apart. Spread out the roots in a trench made deep enough to permit their crowns to be covered with three or four inches of mellow earth. Give the bed liberal dressings of fertilizer at intervals, and, except near the sets, three pounds of salt per square yard early every spring. Do not cut for use until the plants have grown two seasons.

**ARGENTEUIL**—A splendid French variety of finest quality, very early, vigorous and uniform; hardy and free from disease.

We also supply **Conover's Colossal, Palmetto** and **Columbian Mammoth White**.

**ONE-YEAR-OLD PLANTS**—Postpaid, 25c dozen; 75c per 50; \$1.00 per 100. By express or freight, 20c dozen; 50c per 50; 75c per 100; \$6.00 per 1000.

**TWO-YEAR-OLD PLANTS**—Postpaid, 40c dozen; \$1.00 per 50; \$1.50 per 100. By express or freight, 25c dozen; 75c per 50; \$1.00 per 100; \$8.00 per 1000.

### Rhubarb, or Pie Plant

#### GIANT—BEST HARDY VARIETY

This deserves to be ranked among the best early products of the garden. It affords the earliest material for fine pies and fresh table sauce, continues long in use and is valuable for canning.

A deep rich soil is indispensable to secure large, heavy stalks. Plant in rows four feet apart, with the plants three feet distant. Set so that the crowns are about an inch below the surface. Apply annually, in the fall, top dressing of stable manure, and fork under in the spring.

**ONE-YEAR-OLD ROOTS**—Postpaid, 8c each; 75c per dozen. By express or freight, 50c per dozen; \$3.00 per 100.

**TWO-YEAR-OLD ROOTS**—Postpaid, 15c each; \$1.50 per dozen. By express or freight, 85c per dozen; \$6.00 per 100.

#### BURBANK CRIMSON WINTER

A widely advertised, forcing variety of great value, the flavor and quality being superior to any other rhubarb. Comes on very early and lasts through a long season, hardy in some sections, but gives best results when protected. Must be propagated from root divisions, as it does not come true from seed. Large clumps, each, \$1.00; doz., \$10.00. Divided roots, each, 25c; doz., \$2.50.

**NOTE**—We advise our customers to order the above roots by express or freight, if possible, as it enables us to send much larger and better rooted plants, at a less cost to the buyer.

If wanted in larger quantities, write for special prices.

### Hop Vines

Grown very extensively for the hops; also planted largely for shade and covering fences, buildings, etc.; rapid growers.

**English Cluster**—The best sort.

Strong roots, postpaid, 5c each; 40c per dozen. By express, 25c per dozen; \$1.50 per 100.

Write for prices if wanted by the 1000.

### Horse Radish

This useful condiment is easily grown and prefers a rich, moist loam. Plant in rows eighteen inches apart, putting the sets one foot apart, being careful to place the thin end down in the ground. Constant cultivation required.

Postpaid, 5c each; 40c per dozen. By express or freight, 25c per dozen; \$1.50 per 100. Write for prices by the 1000.

### Vegetable Plants

**WE** grow large quantities of vegetables plants, and can supply all the kinds listed below, in their proper season, in most any quantity. We have made arrangements this year so that we can supply all vegetable plants in two grades. If you want a quantity of plants write us early.

Transplanted plants are much stronger and better rooted, and are well worth the price, especially in the early part of the season. We can supply most any of the leading sorts. No plants sent C. O. D.

Write for prices in large quantities.

	Postpaid		By express	
	Dozen	100	1000	
<b>CELERY</b> —				
Leading kinds, transplanted	\$0.30	\$1.00	\$7.00	
Not transplanted		.50	5.00	
	Postpaid		By express	
	Dozen	100	1000	
<b>TOMATOES</b> —				
Leading kinds, transplanted	\$0.30	\$1.00	\$7.00	
Not transplanted		.75	6.00	
Add 40c per 100 for Tomato Plants by mail.				
<b>SWEET POTATO PLANTS</b>	\$0.30	\$1.00	\$7.00	
Add 25c per 100 for above Plants by mail.				
<b>CHIVES</b> (Schnittlauch), per bunch			25c.	

	Postpaid		By express	
	Dozen	100	1000	
<b>CAULIFLOWER</b> —				
Early Snowball, transplanted	\$0.30	\$1.25	\$8.00	
Not transplanted		1.00	7.00	
Late kinds, transplanted	.30	1.00	7.00	
Late kinds, not transplanted		.75	6.00	
Add 25c per 100 for Cauliflower Plants by mail.				

	Postpaid		By express	
	Dozen	100	1000	
<b>CABBAGE</b> —				
Early or late kinds, transplanted	\$0.20	\$0.75	\$6.00	
Not transplanted		.50	4.00	
Add 25c per 100 for Cabbage Plants by mail.				

### High Grade Fertilizers Cheapest

A 100-pound bag of high grade commercial fertilizer will contain more soluble and available plant food than 4,000 pounds (two tons) of stable manure of average quality. How much easier and cleaner to handle one 100-pound bag than tons of manure, and there are no weed seeds to worry over.

Special Fertilizer Booklet giving complete analysis and price of the different fertilizers which we can supply, together with full information for their application, will be sent on request. This book is of great value to all interested in fertilizers.

# ORNAMENTALS

**S**PACE will not permit us to more than give the very briefest description of ornamentals in this booklet, but complete descriptions and detailed information covering your planting problems will be promptly and cheerfully furnished on request, together with such suggestions as we feel will prove helpful to you. We shall be pleased to quote special prices on larger grades than those offered in the list. Such varieties as we have marked with an asterisk (\*) can be supplied in many cases in larger grades and in large quantities.

When large trees are planted, they should be cut down to within 8 feet of the ground and all laterals should be shortened in, thinned out if they are too thick and cut away entirely to about 6 feet of the ground.

We shall be pleased to give quotations to persons desiring large quantities.

Prices of the following are for the 7 to 8 feet grade, excepting where otherwise specified.

## Deciduous Trees

### ASH

#### American White

Broad, round head and dense foliage. Very fine. Each, 60c; 10, \$5.00.

#### BASSWOOD

(See Linden).

### BEECH

**Purple Leaved**—Foliage is deep purple in the spring, changing to crimson in the fall.

5 to 6 feet, each \$2.00; 6 to 8 feet, \$3.00

#### American

Unequaled for splendor. Each, 75c; 10, \$6.00.

### Fern Leaved

European variety, shrub-like and very beautiful for the lawn. 4-5 feet, each, \$1.00; per 10, \$7.50.

### \*BIRCH

#### European White

Silvery white bark and slender drooping branches. Each, 75c; 10, \$6.50.

#### Cut Leaved

Delicately cut foliage, silvery white bark and drooping branches. Each, \$1.50; 10, \$12.50

### CATALPA

Splendid trees with white flowers and bright green foliage.

#### CATALPA BUNGEI

Forms a dense, round, umbrella-like head. Each, \$1.50.

#### \*CATALPA WESTERN (Speciosa)

Very rapid grower, fine as a quick shade. Price, 7 to 8 feet, each, 75c.

#### CRAE—Flowering (Bechtels)

Flowers pink and very fragrant. In appearance a tree of roses. 5 to 6 feet, each, 75c.

**CORNUS FLORIDA** (Dogwood, White Flowering)

Flowers white, 3 inches in diameter, blooming before leaves come in spring. Grows 20 to 25 feet high and is very showy. Price, 7 to 8 feet, each, 60c; 10, \$5.00.

### \*ELM

#### American White

A native of this section; a magnificent tree with drooping branches. Each, 75c; 10, \$6.50.

#### \*Cork Bark

Desirable for street planting. Young branches very corky. Each, 50c; 10, \$4.50.

#### Purple Leaved

Leaves rich purple when young. Each, 75c; 10, \$6.50.

### \*LABURNUM (Golden Chain)

A beautiful small growing tree, with long, drooping racemes of fragrant yellow flowers. 5 to 6 feet, each, 75c.

### LARCH

Tree native, rapid growing. Each, 75c; 10, \$6.50.

### FRINGE TREE

Small; foliage dark green; bunches of pure white flowers in May. 4 to 6 feet, \$1.00.

### HAWTHORNE Double Scarlet

Small tree with spreading branches and crimson flowers. Each, 75c; per 10, \$6.50.

#### Double White

Flowers small, leaves lustrous green color. 75c; 10, \$6.50.

### HORSE CHESTNUT

#### \*White

Foliage showy, flowers stand in upright panicles. Each, \$1.00 to \$1.50.

#### \*Red

Same flower as above; flowers red. Each, \$1.00 to \$1.50.



### LINDEN American

Shapely and handsome, foliage large. Each, \$1.00; 10, \$8.50.

#### European

Similar to American, leaf smaller. Fine. \$1.25.

### LIRIODENDRON

See Tulip tree.

### LOCUST \*Black

Rapid grower; fine for street planting. Each, 75c; 10, \$6.50.

#### Honey

Rapid grower, a drought resister; fine for hedge or wind-break. Each, 75c; 10, \$6.50.

### MAGNOLIA—Acutinata, Cucumber Tree

Tall, pyramidal tree, showy leaves and yellowish white flowers. Each, \$1.50; 10, \$12.50.

### MAPLE

#### Ash-Leaved (Box Elder)

A rapid grower, fine street tree, foliage ash-like. Each, \$1.00; 10, \$8.50.

#### Variegated Ash-Leaved Maple.

These make handsome and attractive specimens for lawn or street plantings. Each, \$1.00.

#### \*Oregon Soft

A rapid grower, fine for avenues. Leaves large. 6 to 8 feet, 50c to 60c; 8 to 10 feet, 75c to \$1.00.

#### \*Sycamore

Tree large and spreading with handsome foliage. 6 to 8 feet, 50c to 60c; 8 to 10 feet, 75c to \$1.00.

#### Silver

A rapid grower, graceful and very beautiful; leaves silvery. 6 to 8 feet, 50c to 60c; 8 to 10 feet, 75c to \$1.00.

**DECIDUOUS TREES—Continued****MAPLE****\*Norway**

Large, growth compact; foliage deep green. Handsome. 6 to 8 feet, 50c to 60c; 8 to 10 feet, 75c to \$1.00.

**Purple Leaf Sycamore**

Purplish green foliage, sycamore-like. 6 to 8 feet, 50c to 60c; 8 to 10 feet, 75c to \$1.00.

**Sugar or Hard**

A rapid grower; popular in the East, a shapely tree with beautiful autumnal coloring. 6 to 8 feet, 50c to 60c; 8 to 10 feet, 75c to \$1.00.

**\*MOUNTAIN ASH**

Very ornamental, handsome foliage turning orange red in the fall. Red berries remain on tree most of winter. 75c; 10, \$6.50.

**MOUNTAIN ASH—European**

White flowers, then beautiful red berries. Each, 75c; 10, \$6.50.

**MULBERRY****Downing's Everbearing**

A rapid grower with good fruit. Fine as a shade tree. Each, 75c; 10, \$6.50.

**\*Russian**

Of spreading habit and rapid growth. Each, 75c; 10, \$6.50.

**WALNUT**

See Nut Trees.

**OAK****English**

Low growing, spreading habit and rapid growth. 75c; 10, \$6.50.

**Scarlet**

Pyramidal shape, foliage changes to bright red in fall. Each, 75c; 10, \$6.50.

**PEACH—Flowering**

Blooms in April, flowers highly colored and very attractive. 4 to 6 feet, 50c; 10, \$4.00.

**POPLAR****\*Carolina**

A very rapid grower. Each, 60c; 10, \$5.00.

**PRUNUS PISSARDI**

Foliage and fruit entirely red. Plums very good quality. Very attractive. \$1.00; 4 to 6 feet, 75c.

**SYCAMORE****American**

Has broad foliage and handsome bark. 4 to 6 feet, 75c; 10, \$6.50.

**European**

Erect growing tree with mottled trunk. Foliage bright green. Each, 75c; 10, \$6.50.

**TULIP TREE**

Leaves light, glossy green, fiddle shaped; flowers greenish yellow, tulip shaped. Each, \$1.50; 4 to 6 feet, \$1.00.

**Weeping Trees****ASH—European Weeping**

Splendid arbor tree. \$1.25; 10, \$11.00.

**BABYLONICA or Common**

Well known common willow, with drooping branchlets. 5 to 6 feet, each, 60c.

**CHERRY—Japanese White**

Graceful and very beautiful, flower profusely. 4 to 6 feet, \$1.25.

**ELM—Camperdown Weeping**

Vigorous branches, forming a roof-like head. \$1.50; per 10, \$12.50.

**MAPLE—Wier's Cut-Leaved**

Very handsome with cut foliage. 6 to 8 feet, \$1.50.

**MULBERRY—Tea's Weeping**

Very graceful; branches long and slender and drooping parallel to trunk. Each, \$1.50; per 10, \$12.50.

**WEeping WILLOW—Kilmarnock**

A distinct variety, having reddish shoots and large, glossy foliage. They make a most desirable and graceful drooping small tree for lawns. 6 feet and 2-year heads, each, \$1.00 to \$1.50.

**WILLOW—Wisconsin**

Large, glossy leaves and very pendulous habit. Each, 75c; per 10, \$6.50.

**NUT TREES****Almond (Nut Bearing)**

Almonds can be grown successfully in many sections of Oregon and Washington, and are attracting much attention from commercial orchardists. We can supply most of the leading varieties at price listed. Special prices on large orders.

Choice trees, 3 to 5 feet, each, 50c

**I. X. L.**—A vigorous grower and sure cropper, producing nuts of large size and handsome appearance; shell thin; most popular commercial sort.

**Hard Shell**—A fine hardy variety with large plump kernel of good quality.

**NONPAREIL**

Tree beautiful, slightly weeping; nut sweet and shell very thin. Best for the home.

**NE PLUS ULTRA**

Large and very long; soft shell; hulls free. Tree heavy and regular bearer.

**Butternut**

A beautifully formed tree bearing a rough coated nut of most attractive flavor, well known to the Middle West. Succeeds fairly well in the Pacific States.

Price, each, 50c to 75c

**Chestnut**

**American Sweet**—Makes a handsome shade tree; full medium size, sweet and well flavored. 7 to 8 feet, each, 75c to \$1.00

**Spanish**—A valuable species, both for ornamental use and fruit. It forms a handsome lawn tree and produces much larger fruit than the American variety.

4 to 6 feet, each, 75c; 7 to 8 feet, \$1.00

**Mammoth Japanese**—A variety we import from Japan; yields much the best and largest fruit. Each, 75c to \$1.00

**PARAGON**

Nuts large and handsome, sweet and of good quality. Tree hardy and very productive. 4 to 6 feet, each, 75c to \$1.00.

**Filberts**

**Barcelona**—Magnificent large nut from Spain, first quality; can be grown as low standard tree or bush. Each, 35c to 50c

**DuChilly**—The largest Filbert on Pacific Coast. Nuts are broad, 1 inch by  $\frac{3}{4}$  of an inch; full fleshed and sweet; best grown as low standard. Each, 35c to 50c

Special prices on large orders.



**NUT TREES** — Continued**Walnuts**

**English or French**—The cultivation of English Walnuts on the Pacific Coast is very profitable, and many people are now setting out large groves. If you do not care to set out a field of trees, a row set along the driveway, lane, around the fences, or on a sidehill too steep to cultivate will prove a most profitable investment, and will require very little attention. They are rapid growers, and will make fair-sized trees in a few years. For those who prefer "second generation," we have a fine lot of one and two-year-old trees (the best age to plant). These are nut-bearing, second-generation stock, and of the best varieties on the Coast, Franquette, Mayette, Praeparturien, etc.

**CALIFORNIA BLACK**

A rapid grower and very desirable; nut medium size, with hard, smooth shell. Adapts itself easily to different climates.

**FRANQUETTE AND MAYETTE**

Second generation, soft shell, selected stock; very good, sweet and good tasting. Trees hardy and prolific bearers. Nuts are rich and meaty, finest commercial sorts.

**PRICES**

One-year-old, well-rooted, each, 25c; 10, \$2.00

Two-year-old, well rooted, tops 2 feet up, 40c

Seedling stock grown from select nuts, 4 to 6 feet, each, 75c; 6 to 8 feet, 75c to \$1.00

**FRANQUETTE****Grafted on California Black**

Quite large, elongated oval, and very attractive, kernel full, sweet and of a rich nutty flavor.

**GRAFTED STOCK**, 4 to 6 feet, \$1.50 to \$2.00

Special prices on large lots.

**Hickory****Shellbark**

Popular Eastern variety, tree hardy but slow grower. Nuts medium size, very good. Quality excellent.

Price, 3 to 4 feet, each, 75c

**Deciduous Shrubs***Japanese**Snowball***ALTHEA—Rose of Sharon**

Flowers delicate, bell shaped, blooming at different times during summer. 3 to 4 feet,

**Grandiflora Superba**

Double, delicate blush, carmine center. 3 to 4 feet, each, 50c; 10, \$4.00.

**Elegantissima**

Double white. 3 to 4 feet, each, 50c; 10, \$4.00.

**Meehani**

Leaves variegated, single lilac-pink flowers. 60c.

**FLOWERING ALMOND—White**

Same, though white flowers.

**FLOWERING ALMOND—Pink**

Well known early dwarf shrub. Double clear pink little roses festoon the gracefully bending branches. 2 feet, 50c.

**AZALEA MOLLIS**

Very bushy, a young and prolific bloomer. Colors, red, orange and yellow. \$1.00.

**BERBERRY—Purple Leaved**

Having purple foliage, very pretty. Clump, 25c each.

**CURRENT—Flowering**

Graceful flowers and berries red. Very desirable for shady spots. 3 to 4 feet, 50c.

**HONEYSUCKLE—Upright**

Very beautiful. 3 to 4 feet, 50c. For others, see vines.

**DEUTZIA—Pride of Rochester**

Tall, very beautiful. Flowers double white. 3 to 4 feet, 50c; 4 to 6 feet, 65c; 6 to 8 feet, 75c.

**ELDER—Cut Leaved**

Deep, cut foliage. 4 to 6 feet, 50c.

**EUONYMUS—European**

Strawberry or Spindle Tree—A small tree bearing medium sized scarlet berries. 4 to 5 feet, 50c.

**FILBERT—Purple Leaved**

Leaves and husks purple, very ornamental. Nuts good. 3 to 4 feet, 75c.

**FORSYTHIA (Golden Bell)**

Most common; deep green foliage. Fine in partial shade. 5 to 6 feet, 50c.

**CALYCANTHUS—Floridus**

Flowers reddish brown, sweet scented. Leaves broad, dark green, making graceful masses. 2 to 3 feet, 50c; per 10, \$3.50.

## Deciduous Shrubs—Continued

### NEW HYDRANGEA

**Arborescens Alba Grandiflora** (known as "Snowball Hydrangea")—A grand addition to the summer flowering shrubs—flowers July and August. The flowers are large, similar to snowball in appearance, conspicuously white; fine for single specimen or cut flowers.

Each, \$1.00

**Paniculata Grandiflora**.—One of the most desirable flowering shrubs; attains a height of 4 to 5 feet, flowering from July to November, bearing immense panicles of bloom, a foot or more in length; color, creamy white with pink flush. Prune back in early spring, about half of previous year's growth; flowers are borne on the new wood. Hardy everywhere; good for cemetery planting.

2 to 3 feet, each, 25c to 50c; 3 to 4 feet, 75c  
Tree shaped, each, \$1.00

### LILACS

**Common Purple (Syringa Vulgaris)**

Very fragrant, an old favorite. 3 to 4 feet, 50c; per 10, \$4.50.

**Common White (Syringa Vulgaris)**

Same as above, flowers white. 3 to 4 feet, 50c; per 10, \$4.50.

### FINE NAMED VARIETIES

Grafted Standards, 6 ft. \$1.25 each.

Choice plants, 3 to 4 feet, each, 75c.

**CHAS. X—Single**

A strong rapid grower; trusses large and loose, color reddish purple.

**MARIE LE GRAYE—Single**

Flowers large, beautiful creamy white; bush dwarf.

**MICHEL BUCHNER—Double**

Pale lilac.

**PRES. GREVY—Double**

Magnificent; beautiful blue panicle; very large.

**LUDWIG SPAETH—Single**

Very fine; trusses large; deep purple.

**MME. LEMOINE—Double**

White color; fine for winter forcing.

**PRES. CARNOT—Double**

Fine, lavender, with white center, late flowering.

**MOCK ORANGE (Philadelphus)**

3 to 4 feet, 50c; per 10, \$4.00.

**Grandiflora**

Flowers large and slightly fragrant. Slender twig habit. Price, 3 to 4 feet, each, 50c; per 10, \$4.00.

### QUINCE FLOWERING (See Page 60)

**SNOWBALL**

**Japanese**

Flowers pure white, delicate, large globular heads, in May. 2 to 3 feet, 75c. See cut.

**Common**

Flowers globular, pure white, in May. 3 to 4 feet, each, 50c; per 10, \$4.00.

**SCOTCH BROOM**

Rapid growing, hardy; trusses of yellow flowers in May. 50c.

**SMOKE TREE**

Low growing and shrubby, flowers feathery, appearing like a cloud of smoke. 75c to \$1.00.

### Spiraeas

**Anthony Waterer**—A handsome shrub, that blooms about the close of June; flowers red.

Clumps, each, 75c

**Billardi**—Produces fine, rose-colored flowers, and blooms nearly all summer.

Strong clumps, each, 60c

**Prunifolia, Bridal Wreath**—The pretty double white flowers are in bunches of twos and threes, and usually expand about May 1.

Clumps, each, 75c

**Thunbergii**—Of graceful habit; branches are slender and somewhat drooping; foliage yellowish-green; flowers small, white, appearing early.

Clumps, each, \$1.00

**Van Houtte**—The grandest of all the Spiraeas. It is a beautiful ornamental for the lawn at any season, but when in flower it is a complete fountain of white bloom, the foliage hardly showing. Perfectly hardy and an early bloomer.

2 to 3 feet, 60c to 75c

**TAMARIX**

Elegant, fine flowering and handsome foliage. Flowers carmine-red. August, September. 3 to 4 feet, 50c.

**WEIGELIA**

**Candida**

Flowers white; bush tall and very graceful. 75c.

**Rosea**

Flowers light pink, shrub compact and shapely. 75c.

**Eva Rathke**

Flowers red, one of the best. Slightly dwarf. 75c.

**Variegated**

Leaves become silvery white. 75c.

## Evergreen Shrubs

### PRIVET (Evergreen)

One of our best hedge plants; has small, pointed, evergreen leaves; grows rapidly and compactly; stands severe pruning, and can be kept in fine shape with little care.

1-year-old plants, 12 inches, each, 5c; 50, \$1.75; 100, \$3.00; 2-year-old plants, 1½ to 2 feet, each, 10c; 50, \$3.50; 100, \$6.00

### Rhododendron

**Grafted Varieties**—Magnificent, June and July flowering, evergreen shrubs; the finest and most hardy of all evergreens; they prefer a somewhat shady situation. There are many varieties, the flowers of which are produced in great abundance and in shades of the following colors: White, blue, purple, cherry, lilac, mauve and crimson.

Choice plants, 1½ to 2 feet and according to number of buds, \$1.50 to \$3.00

**Ponticum**—Flowers purple, often spotted on the upper lobe, and freely produced in short terminal corymbs. Each, \$1.50

### BROOM—Scotch

Branches drooping, covered in spring with bright yellow pea-shaped flowers. 3 to 4 feet, 50c.

### White Flowering

Same as Scotch; flowers white. 3 to 4 feet, 75c.

**Spanish**

Same as Scotch; upright; branches leafless, superior to Scotch. Blooms continuously throughout the summer; larger, nicer flower; very desirable. 3 to 4 feet, 75c.

**EUONYMUS—Jap.**

Dense, upright; leaves dark green (hedge). 2 to 3 feet, 50c.

**Variegated**

Gold (and silver). 3 to 4 feet, \$1.00.

**LAURISTINUS**

Many white flowers in winter; fine hedge. Price, 2 to 3 feet, 75c each.

**LAUREL**

**Portugal**

Dwarfish, leaves dark green, flowers very sweet. 2 to 3 feet, \$1.25; per 10, \$10.00.

**English**

Leaves broad, shining; flowers in clusters, creamy white. Purple berries. 2 to 3 feet, \$1.00.

**MAHONIA—Aquifolia (Oregon Grape)**

Shining, purple, prickly leaves; bright flowers, yellow; berries blue-black. 2 to 3 feet, 75c (Balled).

## Evergreen Trees

**T**HIS list includes trees that do not shed all their foliage at one time, thereby remaining green after the deciduous trees are bare.

### **ARAUCARIA IMBRICATA—Monkey Puzzle**

A fine tree of regular pyramidal form; leaves bright green, broad, thick, pointed and overlapping each other. 2 to 3 feet, \$2.00.

### **ARBOREVITAE**

#### **\*American**

Native, known as white cedar. Foliage bright green, yellow-green underneath; brown and bronze in winter. 2 to 3 feet, 75c.

#### **Golden**

Elegant; habit regular; foliage tinged with gold in spring. 2 to 3 feet, \$1.50.

#### **Weeping**

Weeping variety, branches pendulous and thread-like; foliage light yellowish green. 2 to 3 feet, \$1.50.

#### **American Variegated Pyramidal**

Pyramidal form, foliage dark green. 2 to 3 feet, \$1.00.

#### **Oriental**

Fine, with close ascending branches of a fan shaped appearance. 2 to 3 feet, \$1.00.

### **BOX**

**Splendid specimens, our own importation.**

<b>Pyramid</b>	4	to	4 ½ feet	<b>Each</b>	.....	<b>\$5.00</b>
"	3	"	3 ½ "	"	.....	<b>3.50</b>
"	2 ½ "	3	"	"	.....	<b>2.50</b>

**Standard** 2 ½ to 3 feet stems. Heads 15 to 18 inches in diameter. \$4.00 to \$5.00 each.

**Box Plants for Hedges and Borders**, 6 inch and over at from \$5.00 per hundred up.

### **CEDAR**

#### **Deodora (Himalayan or Indian Cedar)**

Very handsome; branches drooping; foliage silvery green. Very popular. Vigorous grower. 2 to 3 feet, \$1.50.

#### **Deodora Variegata (Variegated Cedar)**

A fine tree, same as Deodora with silvery white tipped foliage. 2 to 3 feet, \$2.00.

### **CYPRESS**

#### **\*Lawson's**

Graceful and conspicuous; branches horizontal, slightly pendulous, foliage dark green. 2 to 3 feet, \$1.25; per 10, \$10.00.

#### **Lawson Blue**

Of slender habit with silvery foliage. 1 ½ to 2 feet, \$1.00.

### **CYPRESS—NEW**

#### **Cypress Allumil.**

Very compact, upright grower; color a bright blue. **Each, \$1.00.**

#### **Cypress Lawsoniana Darlyensis.**

A strong grower; color a fine bright yellow. **Each, \$1.50.**

#### **Cypress Wessellii.**

This conifer distinguishes itself by its very graceful pyramid, compact and yet strong growth; color a fine blue. **Each, \$1.50.**

#### **Cypress Westermannii.**

Same as Wessellii though more pendulous and drooping. **Each, \$1.50.**

#### **Cypress Triumph of Booskoop.**

Strong grower; one of the bluest conifers in cultivation. **Each, \$1.00.**

### **MAGNOLIA GRANDIFLORA.**

Choice well budded trees. 2 ½ to 4 feet, each, \$1.00 to \$2.00. Large specimens \$3.00 to \$5.00 each.

### **FIR**

#### **American Balsam**

Prized for its delightful aroma. 1 ½ to 2 feet, \$1.25.

#### **European**

Splendid; branches spreading, foliage broad and silvery. 2 to 3 feet, \$1.25.

#### **Nordman's**

Lustrous, deep green foliage; very symmetrical. One of the best. 1 to 1 ½ feet, \$1.25.

#### **White**

A fine spruce; rapid growth; very hardy. Very attractive. 1 ½ to 2 feet, \$1.50.

### **HEMLOCK—American**

Very beautiful and appealing; branches pendant and foliage deep green. 2 to 3 feet, 75c; per 10, \$6.50.

## Holly (Ilex)

We have a fine lot of Hollies, both seedling and grafted stock. If wanted in quantity, write for special prices. We also have at different times very large fine specimens, with or without berries. **Each, from \$10.00 up**

**English (Aquifolia)**—A beautiful lawn tree, with prickly, dark green foliage; grows moderately fast, and is covered during the winter months with bright red berries. One of the handsomest and most popular evergreen bushes we know of. Holly branches are cut and sold in large quantities for holiday decorations. **Berry-bearing plants, per foot, \$1.00; nice plants, \$2.50 to \$6.00; ordinary stock, per foot, 75c; nice plants, \$1.50 to \$3.00**

## Variegated Hollies

The variegated varieties are remarkably handsome lawn plants. The leaves are variously marked with yellow or white. We offer the following distinct sorts:

**Golden Margined**—Leaves splashed with pale green; narrow, but irregular; golden edge. **Per foot, \$1.00 to \$1.50**

**Silver Margined**—Leaves long, dark green, slightly mottled, and with an irregular, narrowish silvery margin.

**Per foot, \$1.00 to \$1.50**

### **JUNIPER**

#### **Irish**

Pyramidal in form, foliage silvery gray; very striking. 2 to 3 feet, \$1.00.

#### **Red Cedar**

Native, with striking form and beautiful color. 2 to 3 feet, 60c; per 10, \$5.00.

#### **Swedish**

Similar to Irish, upright; one of the best. 2 to 3 feet, \$1.00.

### **JUNIPER—NEW**

#### **Juniper Communis Pfutzeriana.**

Graceful green foliage with horizontal branches. **Each, \$1.50.**

#### **Juniper Canadensis Revesiana.**

Same as Pfutzeriana though taller and straight. **Each, \$2.00.**

#### **Tuja Occidentalis Hoveyi.**

Clear green color; slow growing. **Each, \$1.50.**

## EVERGREEN TREES—Continued

### PINE

#### Austrian

Well known and widely planted, especially at seashore; growth rapid; quite hardy. 2 to 3 feet, \$1.00.

#### Scotch

Robust growth; branches pendulous; leaves bluish green. 3 to 4 feet, 75c; per 10, \$6.50.

### SPRUCE

#### \*Norway

A lofty, rapid grower; branches drooping. Fine for hedge or windbreak. 2 to 3 feet, \$1.25.

#### Norway Variegated Golden

Foliage golden yellow, vigorous. 2 to 3 feet, \$2.00.

### SPRUCE—Colorado Blue

The most beautiful of spruces; foliage silvery blue. 1½ to 2 feet, \$2.50.

#### Douglas

Somewhat similar to our hemlock; rapid grower. 2 to 3 feet, \$1.50.

### YEW

#### English

Slow growth, densely branched, head spreading, dark green leaves. 2 to 3 feet, \$1.00.

#### Irish

Upright, deep, dark green foliage. 2 to 3 feet, \$1.50.

#### Variegated

Same as Irish, but with part of foliage striped and margined with silvery white. 2 to 3 feet, \$1.50.

## JAPANESE ORNAMENTALS

**W**E import annually large assortments of Japanese Plants, Palms, Shrubs, etc., and would call attention to the splendid values offered in these interesting specimens.

### Thuja Obtusa

Thuja Obtusa—(var. Chabo-hiba)—Famous Dwarf tree of Japan, over 100 years old, grown in pots. This unique and interesting tree is perfectly hardy, good for porch or house use; is very ornate and striking; making it invaluable for decorative effects. Fine specimens in oriental jardinières. \$5.00 to \$10.00 each

### Aucuba

Aucuba Japonica—Japan evergreen, with shining evergreen foliage and red berries. Each, 75c to \$1.00

Aucuba J. Variegata—Green and yellow foliage; very showy; fine for specimen plants on lawn. Large plants for immediate effect. Each, \$2.00 to \$2.50

### Bamboo

This well known ornamental plant, with graceful and almost evergreen foliage, thrives in sheltered situations, making fine lawn clumps. We have four varieties, all hardy. Strong clumps, 3 to 6 feet, each, 75c to \$1.50

### Berberry—Japanese

B. Thunbergii—From Japan. A pretty species of dwarf habit; small foliage, changing to a beautiful red in autumn; good hedge plant. 2 to 3 feet, each, 60c to 75c

### Aspidistra

Ornamental foliage, plant throwing up shoots which unfold, developing into long, graceful leaves; color a beautiful dark glossy green; give same treatment as hardy palm.

Specimen plants, \$2.00 to \$3.00 each.

Variegated—Rich creamy markings.

Specimen plants, \$3.00 each.

### Camellia

Japonica—Very beautiful, winter flowering evergreen; the handsomest, shining, dark green foliage and magnificent, wax like flowers of various colors, render them indispensable for the conservatory, and well adapted for parlor or window culture; perfectly hardy in this climate in the open ground, but should be planted in a shady place and protected the first year. We have these in three colors.

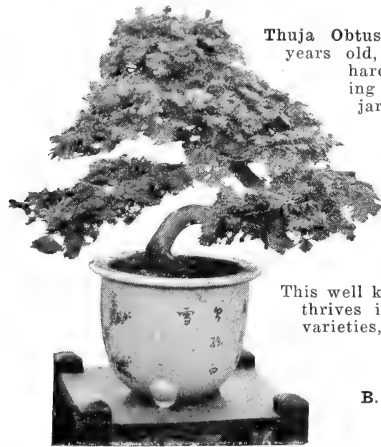
Double White, Pink and Red. 1½ to 2 feet, each, \$1.00 to \$1.50

### Daphne

Odora—A very pretty early flowering shrub, producing pink flowers in March. 2 feet, each, \$1.00  
Alba—Pure white. 2 feet, each, \$1.00

### Sciadopitys Verticillata

“Umbrella Pine”—The leaves are narrow, round and arranged in whorls of umbrella like tufts; is especially adapted for porch or lawn decoration. 2 feet, each, \$1.50



### Cryptomeria

One of the finest evergreens of Japan; of both upright and drooping habit. We import a number of different varieties all of which are suitable for lawn planting. Foliage mostly needle like; end of branches soft and flexible.

1 to 2 feet, each, \$1.00 to \$2.50

### Syringa Japonica

Syringa Japonica—Japan tree lilac, growing to a height of 30 feet; blooms late in June, bearing large panicles of showy white flowers carried well above the foliage; leaves large and leathery, rich dark color. Each 75c

### Quince (Japan Flowering)

Japonica—Remarkable for the brilliancy of its blossoms, which vary from the richest scarlet to the most delicate blush color; the fruit is deliciously fragrant, but is not edible.

2 to 3 feet, each, 60c to 75c

Alba—A very beautiful variety, with delicate, white and blush flowers. 3 to 4 feet, 75c to \$1.00

### Persimmon

Japanese—Highly prized for its delicious fruit. We import the Japanese variety called Hyakume. Fruit large and oblong; color bright red; ripens early in the fall. 4 feet, each, 60c to 75c

## Japanese Ornamentals — Continued

## Maple (Japanese)

**Atropurpureum**—Large palmate leaves; deep maroon; very showy.

**Atropurpureum Dissectum** (Cut-Leaved Purple)—Dwarf weeping graceful form, branches crimson; leaves deeply and finely cut into shred-like divisions; of a beautiful rose color when young, changing to a deep, dark purple. A choice and ornamental variety.

**Atropurpureum Dissectum Variegatum**—Like the above, except that the leaves have a white edge, making them very showy and attractive; very popular sort.

**Atropurpureum Variegatum**—Leaves large and scalloped; color bright crimson, with deep maroon variegation.

**Sanguineum Selgen**—Regular palmate leaves; coloring in the middle spring to a blood red; very handsome.

**Scolopendrifolium Rubrum**—Dark red, finely cut, narrow ribbon leaves.

## Magnolia

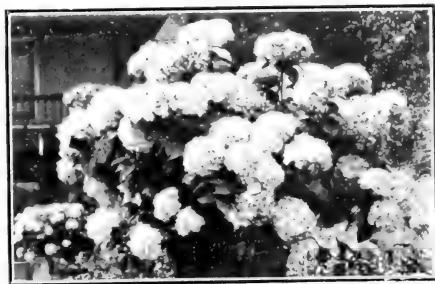
**Magnolia Salicifolia**—New species called fragrant Magnolia; pure white flowers. It emits a sweet aromatic scent, not only from the flowers, but stem and leaves; very hardy; should be in every collection. Each \$1.50 to \$2.00

**Conspicua**—A Chinese species of great beauty. The tree is of medium size, shrub like in growth while young, but attains the size of a tree in time. The flowers are large, pure white, very numerous and appear before the leaves. 2 feet, each, \$1.00; 3 feet, each, \$1.50 to \$2.00

**Soulangeana**—In habit it closely resembles *M. Conspicua*; flowers white and purple, cup-shaped and three to five inches in diameter; foliage large, glossy and massive; it forms a handsome tree; blooms later than *Conspicua*. 2 feet, each \$1.00; 3 to 4 feet, each \$1.50 to \$2.00.

**Magnolia Obovata**—Exterior petals purple, veined with deeper color, white center. Each, \$1.00 to \$1.50.

*Grandiflora*. See page —



HYDRANGEA

## Hydrangea

**Hortensis Blue**—Very fine Japanese variety for potting and porch decoration; large flowers, rosy blue to light blue, according to the soil.

Strong clumps, each 75c

**H. Hortensis**, pink, fine truss, pure pink, each 75c

## Prunus

We import these direct from Japan. They are hardy, rapid growers, and produce early in the spring a profusion of handsome flowers of great beauty and fragrance.

**Prunus Mume**—The Flowering Plum. Double

White or Double Red, 3 feet up, each, 75c to \$1

**Prunus Cerasus**—Handsome Flowering Japanese Cherry.

White, pink or red, 3 feet up, each 75c to \$1.00

**Prunus Pissardi**—Flowering Plum. Wood and leaves dark purple. 3 feet up, each, 75c to \$1.00

## Araucaria Excelsa

(Norfolk Island Pine)—This beautiful plant resembles the pine somewhat in appearance, though much finer in texture; it is particularly adapted to parlor table decoration; it is most unique in appearance, the branches being arranged in neat, symmetrical whorls; they do not require much sun and are hardy and easily cared for. Choice plants, 14 to 20 inches high, each \$2.00 to \$4.00.

## Rubber Plant

**Ficus Elastica**—This is certainly one of the best plants grown for decorative purposes; it succeeds well with ordinary treatment; its glossy, thick dark green leaves are not affected by dust or gas; the large dark green foliage and erect form are much admired.

Large plants, each 75c to \$1.50 and up

## Japanese Tubs — Porch Boxes — Hanging Baskets

Made up to order in any color scheme or special design

## Pruning Tools, Labels, Stakes, Etc.

## PRUNING SHEARS

We have a fine assortment, ranging in prices from 50c to \$1.25 each, postpaid.

## LONG-HANDLE TREE PRUNERS

Six feet, 75c; 8 feet, \$1.00; 10 feet, \$1.10; 12 feet, \$1.25. Cannot go by mail. Purchaser will have to pay freight or express charges.

## BRANCH SHEARS

Twenty-six-inch handle, \$1; 41-inch handle, \$1.25.

## PRUNING SAWS

Crescent—12-inch blade, 65c; 14-inch, 75c.

Straight Blades—16-inch, 60c; 18-inch, 65c; 20-inch, 70c.

## GRAFTING WAX

Price, ¼ lb., 10c; ½ lb., 20c; 1 lb., 35c; postage, 20c per lb. extra.

## RAFFIA

For tying plants and buds. Pound, 25c; by mail, 50c.

## FLORISTS' MOSS

Clean and bright, in bales; \$3.00 per 100.

## BUDDING KNIVES

Best grade, from 25c to \$1.00 each, postpaid.

## GRAFTING KNIVES

Wood handle, stationary blade, 25c to 35c each.

## PRUNING KNIVES

Best grade, from 50c to \$1.50 each, postpaid.

## WOODEN LABELS

Tree Labels—Painted, wired, per 100, 15c; per M, \$1.00; unpainted, per M, 85c; painted, copper wired, per 100, 20c; per M, \$1.10.

Pot Labels—4-inch, painted, per 100, 15c; per M, 80c; 5-inch, per 100, 20c; per M, \$1.05; 6-inch, per 100, 25c; per M, \$1.40; 8-inch, per 100, 30c; per M, \$1.75.

## PLANT STAKES

Round Cedar—Painted green, white tops, 3-foot, 85c dozen; 3½-foot, 95c; 4-foot, \$1.00; 5-foot, \$1.50; 6-foot, \$2.25.

Bamboo—4-foot, doz., 25c; 5-foot, 53 c ft

For SPRAYERS, SPRINKLERS, HOSE, etc., See General Catalog.

## Climbing Vines

### CLEMATIS

Clematis is one of the most beautiful and useful climbers, the several varieties adapting themselves to every requirement. Their magnificent flowers, borne in greatest profusion in beautiful shades of lavenders, purples, reds and white, make them especially attractive. Clematis requires a rich loamy soil, but manure should not touch the roots. Cut out the weak and surplus branches in the spring, and tie the vine up well to its support. We offer the best of the hardy large flowering varieties.

**RAMONA**—Beautiful lavender, best of its color.  
**MONTANA**—White, anemone-like flowers, May to July; very hardy, rapid grower.

**HENRYII**—Fine, large, creamy white flowers; a strong grower and very hardy.

**JACKMANII**—Intense violet-purple, with a rich velvety appearance; distinctly veined. The most popular and finest Clematis we have.

**MAD. ED. ANDRE**—A beautiful, new variety; flowers red, large and abundant.

**Choice plants of above sorts, each 60c**

**Large plants, each, 75c to \$1.00, postpaid**  
**CLEMATIS PANICULATA**—A strong rapid and vigorous grower; it produces sheets of medium-sized, pure white flowers of the most pleasing fragrance; it is perfectly hardy and well adapted for covering trellises or fences.

**Choice plants, each, 35c to 50c; large, 40c to 60c.**

### Honeysuckle

**BELGIAN**—Flowers yellow, blotched with red above; blooms all summer, fragrant. **Each, 50c.**

**JAPANESE**—Evergreen; fragrant flowers, white changing yellow. **Each, 35c.**

**HALL'S**—Evergreen, very popular; white turning to yellow. **Each, 50c.**

### English Ivy

Large, thick, shining, leathery leaves. **Each, 25c.**

### Jasmine

**JASMINE NUDIFLORUM**—Branches drooping, enveloped with bright yellow flowers before leaves appear. **Each, 50c.**

**GARDENIA FLOWERED, CAPE JASMINE**—Free blooming, pure white flowers, star shaped; foliage delicate; evergreen. **Each, 50c.**

### Wistaria

**W. SINENSIS**—Chinese Wistaria—One of the most elegant and rapid growing of all climbing plants; grows 15 to 20 feet in a season; has long pendulous clusters of pale blue flowers in May and June and in autumn.

**Choice plants, each, 35c to 50c; large, 75c to \$1.50.**

**W. MULTIJUGA**—Similar to above, but flowers are darker. **Each, 75c to \$1.50**

**W. BRACHYBOTRYS**—White flowering. **Each, 75c to \$1.50**



### Ampelopsis

**VEITCHII "Boston Ivy"**—Leaves glossy green, coloring bronze in fall; flowers small; berries deep blue. **35c.**

**QUINQUEFOLIA "Virginia Creeper"**—Common American Ivy. **35c.**

### Trumpet Vine

**BIGNONIA GRANDIFLORA (Trumpet Vine)**—Strong climber; deciduous; flowers orange-scarlet. **50c.**

**BIGNONIA TWEEDIANA**—Evergreen, clinging; flowers canary yellow. **50c.**

## PORTLAND SEED COMPANY'S

### "Diamond" Fancy Lawn Mixture

**TO** have a good lawn the soil must be fine and rich, and well leveled. Then the best seed obtainable should be used. Plant any time from September until late spring, depending upon the weather and soil conditions. Raking in the seed is advisable, and rolling greatly improves the turf. In watering your lawn soak it deeply and not too often, as light watering every day brings the roots close to the surface, where they quickly burn or dry out. You must not expect to make a fine lawn with cheap seed. The best lawn grass mixture will cost more at first than the poorer substitute, but it will be found much cheaper and more satisfactory in the end. Our "Diamond Quality" Fancy Mixed Grass Seed is prepared from the choicest re-cleaned Grass Seeds that have been carefully selected for their fineness and deep rooting, close growing habits and seasonable qualities, producing an ideal dense, velvety turf of lasting quality that remains green throughout the year.

Price, per lb., 45c, postpaid; freight or express, per lb., 35c; 10 lbs., \$3.25.

Sow one pound to 400 square feet, 10 to 15 pounds to a 50-foot lot.

**WRITE US FOR SPECIAL MIXTURES FOR TERRACES, SHADY PLACES, DRY OR WET LAND.**

## Spray Calendar—When to Spray, What to use

Insect or Disease.	Plant Attacked.	What to Spray With.	First Spraying.
Codling Moth .....	Apple, Pear .....	Arsenate of Lead .....	Just before calyx cups close.
San Jose Scale .....	Apple, Pear .....	Scalecide, Standard Sulphur-Lime Solution .....	When leaves are off the tree.
Oyster Shell Bark Louse ..	Apple, mainly .....	Standard Sulphur-Lime Solution .....	When leaves are off the tree.
Peach Moth or Twig Borer.	Peach .....	Scalecide, 1 part to 20 parts water .....	When the insects appear.
Woolly Aphis .....	Apple .....	Scalecide, 1 part to 40 parts water .....	When the insects appear.
Aphis .....	Roses and plants .....	Aphiscide, Fir Tree Oil Soap .....	Just as soon as the insects appear.
Cabbage Worm .....	Cabbage .....	Bug Death (non-poisonous) ..	Before the worms eat into the cabbage.
Cabbage Aphis .....	Cabbage .....	Scalecide, 1 part to 40 parts water .....	When the insects appear.
Slug .....	Pear, Cherry, Peas ..	Slug Shot, or Bug Death ..	When the insects appear.
Thrips .....	Roses .....	Thrip Juice, or Aphiscide ..	When insects become cottony (May).
Cottony Scale .....	Pear, Currant .....	Scalecide, 1 part to 40 parts water .....	Just before blossoms open.
Scab .....	Apple, Pear .....	Bordeaux .....	Immediately after leaves fall.
Blackspot Canker .....	Apple .....	Bordeaux, double strength ..	Before buds burst.
Leaf Curl .....	Peach .....	Standard Sulphur-Lime Solution .....	Just as buds burst.
Mildew .....	Gooseberry .....	Potassium Sulphide, 1 ounce to 2 gallons water .....	

Spraying to be effective must be well done. We recommend the **GOULD SPRAY PUMPS** as the most efficient and satisfactory sprayers. Complete outfits, all styles, for every requirement, can be furnished on demand. Full information on request.

## SCALECIDE

A barrel of "Scalecide" will spray more trees than  $3\frac{1}{3}$  bbls of Lime and Sulphur, at less expense, with less work, and better results. "SCALECIDE" will not injure your pump or outfit will not harm your skin or eyes.

6 Years of Systematic Spraying with "Scalecide" has resulted in record yields in some of the largest apple and peach orchards of the United States. Interesting literature and sample of "Scalecide" will be sent Free on Request.

**SPREADS AND PENETRATES — KILLS ALL SCALE AND FUNGUS.**

## Hand Pumps and Sprayers

### Premier Bucket Pump

**Fig. 561  $\frac{1}{2}$ .** Brass bucket pump, arranged with suction and discharge hose and spray nozzle, which will throw a solid stream or fine spray. Pump has brass cylinder, plunger and rod, and is particularly adapted for washing windows and wagons, spraying flowers in conservatories, gardens, etc., etc.

**Price, complete, \$6.00.**

### Bordeaux Bucket Pump

**Fig. 1129.** Brass garden and spray pump; is especially designed for spraying in gardens and greenhouses. The pump is double action in effect; Seneca nozzle, ball valves; proof against the action of acids and oils. Footpiece is malleable iron. Pump is set in pail or bucket, with foot outside.

**Price, complete, \$4.75**

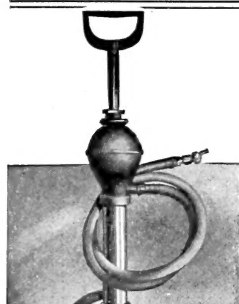


FIG. 561  $\frac{1}{2}$ .

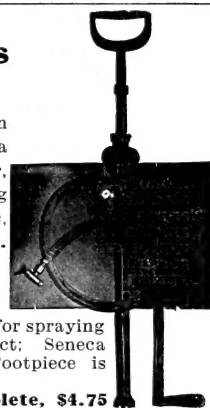


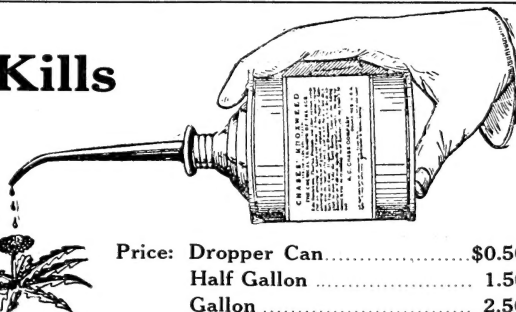
FIG. 1129.

## A Single Application of

## KNOXWEED Kills

### Plantain, Thistle or Any Noxious Weed—Top and Root

Without injury to your lawn—no digging—no holes to fill up, just a few minutes of your time and the 50c handy dropper can of Knoxweed will destroy every weed in an average size lawn.



**Price:** Dropper Can.....\$0.50  
Half Gallon ..... 1.50  
Gallon ..... 2.50

**FLORESTS AND COMMERCIAL GROWERS:** We carry the largest line of Florists' Supplies in the Northwest. Prompt deliveries at right prices. A trial order will convince. Send for trade list.



See Our General Catalog for

## "Diamond Quality" SWEET PEAS

**FINEST, EARLIEST FLOWERS** are produced from **FALL PLANTINGS** of our select varieties. *Full information on request.*

*Join the OREGON SWEET PEA SOCIETY and win our handsome Solid Silver Challenge Cup (value \$60.00).*

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**FEED YOUR PLANTS**—Diamond Plant Food is the proper diet, makes them grow, improves their color and lasting qualities. A 25c package feeds a dozen large house plants a whole year.

"DIAMOND  
QUALITY"

# Fertilizers



We are the largest dealers and carry the most complete stock of Fertilizers in the Northwest. They are of guaranteed analysis, conforming of the standards required by the State Laws.

Ask for our Special Fertilizer Catalog, containing valuable information on the use and application of Fertilizer.

FERTILIZER	Nitrogen		Available Phosphoric Acid		Potash	Per 100 lbs.	Per 224 lb. Bag	Per Ton
No. 1, Complete	2	to 2 1/2%	6	to 8	6%	\$1 90	.....	\$36 00
No. 4, Fruit	2 1/2	to 3 1/2%	8	to 10	10%	2.00	.....	38.00
No. 5, Lawn	3 1/2	to 4	7	to 8	4%	2.25	.....	42.00
Pure Bone Meal	3 1/2	to 4 1/2%	10	to 22	.....	1.75	.....	33.00
Bone Tankage	5	to 6	10	to 11	.....	1.90	.....	39.00
Super Phosphate	.....	.....	17	to 18	.....	1.60	.....	29.00
Muriate of Potash	.....	.....	.....	.....	49 to 50 1/2%	3.25	\$6.50	54.00
Sulphate of Potash	.....	.....	.....	.....	49 to 50	3.50	7 35	62.00
Kanit	.....	.....	.....	.....	12 to 13	1.50	2.50	22.00
Nitrate of Soda	14 1/2	to 15 1/2%	.....	.....	.....	3.25	.....	55.00
Blood Meal	10 1/2	to 12 1/2%	3 1/2	to 4	.....	3.75	.....	72.50

We are general agents for the German Kali Works, and can supply their Potash in any quantity. Write for prices on car lots.

## BEST FERTILIZERS FOR SPECIAL PURPOSES.

	POUNDS PER ACRE	FERTILIZER TO USE	WHEN TO APPLY.
Apples	400 to 600	No. 4	Fall or early spring.
Asparagus	300 to 600	No. 1 with Nitrate of Soda.	Spring.
Berry bushes	100 to 200	No. 4	Fall or Winter preferred, or early spring.
Fruit trees and bushes.	400 to 800	No. 4	Fall or Winter preferred, or early spring.
Flower beds	400 to 800	No. 4	Fall or Winter preferred, or early spring.
Grapes	See Plants, etc.	No. 4	Fall or early spring.
Grass for lawns	400 to 800	No. 5	Apply fall or spring, broadcast.
House plants	.....	"Diamond" Plant Food	Directions on each package.
Nursery stock	325 to 650	No. 1	Early spring.
Plants, flowering, out-door	A teaspoonful to a plant or broadcast.	No. 5	Worked in the top soil when cultivating or making beds.
Roses, etc.	1/2 to 1 lb. per plant	No. 5	Fall, winter or spring.
Shrubs, trees, etc.	1/2 to 3 lbs. per plant	No. 5	Fall, winter or spring.

## PLANTING TABLES

### DISTANCES RECOMMENDED FOR PLANTING.

Apples (Standard)	25 to 40 ft. each way	Currants	5 ft. x 3 ft.
Pears (Standard)	20 to 35 ft. each way	Gooseberries	5 ft. x 3 ft.
Quince	15 ft. each way	Strawberries (hills)	36 in. x 18 in.
Peaches	18 to 24 ft. each way	Strawberries (matted rows)	48 in. x 12 in.
Plums	15 to 20 ft. each way	Grapes	8 x 8 to 10 x 12 ft.
Cherries	25 to 40 ft. each way	Asparagus	4 x 1 ft.
Blackberries	6 ft. x 4 ft.	Rhubarb	4 x 2 ft.
Raspberries	6 ft. x 3 ft.		

### NUMBER OF PLANTS PER ACRE AT VARIOUS DISTANCES.

In planting trees the greater distance should be given in the richer soils.

DISTANCE APART.	Square Method.	Triangular.	DISTANCE APART.	Square Method.	Triangular.
1 foot apart each way	43,560	50,300	15 feet apart each way	193	223
2 feet apart each way	10,890	12,575	16 feet apart each way	170	196
4 feet apart each way	2,722	3,143	20 feet apart each way	108	125
6 feet apart each way	1,210	1,397	25 feet apart each way	70	81
8 feet apart each way	537	620	30 feet apart each way	48	55
10 feet apart each way	435	502	40 feet apart each way	27	31

**RULE SQUARE METHOD**—Multiply the distance in feet between the rows by the distance the plants are apart in the rows; this gives the number of square feet for each plant or hill; divided into the number of feet in an acre (43,560) gives the number of plants or trees to an acre.

**RULE TRIANGULAR METHOD**—Divide the number required to the acre "square method" by the decimal .866. The result will be number of plants required to the acre by triangular planting.

## LEWIS PLANTING BOARD

When your stakes are placed, where the trees are to be set, take an inch board 6 inches wide and 6 feet 6 inches long, bore a 3/4 inch hole in the center of each end and cut a notch in the side at center that your trees will fit into. Now take two small stakes 12 inches long that will slip easily through the end holes, place the center notch around the stake where the tree is to stand, place a small stake through each of the holes in the ends, now lift your board leaving the small stakes in the ground, dig the hole, replace the board over the stakes and set the tree in the notch, plan it in this position and your orchard will "line up" perfectly.

DIAMOND

QUALITY™

# NURSERY STOCK

**GIANT RHUBARB**  
A SURE QUICK GROWING  
AND PROFITABLE CROP

GROWN IN  
OREGON



TREES  
AND  
PLANTS  
ARE  
DUG AND PACKED  
AS  
ORDERED

## ASPARAGUS

ONCE PLANTED IS EASILY CARED FOR, THE BED  
GROWS BETTER AND YIELDS MORE EVERY YEAR  
AND IS A REAL MONEY MAKER.

